

TriMark[®]

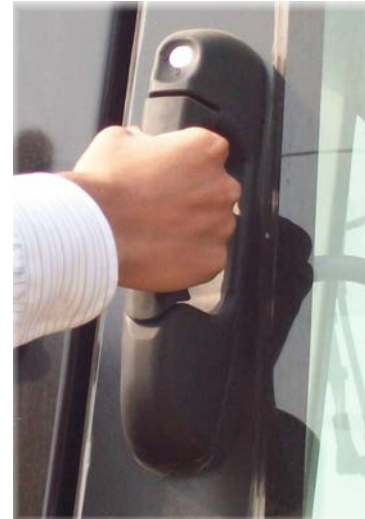
Access to Excellence



Open the Door

TriMark understands the value of a great **first impression**. Often the first hands-on impression a potential owner or operator of heavy duty equipment gets is the door system. When they open the door they immediately know the **attention to detail** and level of quality they are in store for. This attention to detail and quality in a door system can be a “make or break” for a potential purchaser.

TriMark is one of the world's leading innovators, designers and manufacturers of [heavy duty vehicle hardware](#). We provide a wide range of handles, latches, striker bolts, linkages and related system components of truly **exceptional quality** — our products not only set the standards for design and value, they are proven in the field time and time again.



True Partnership

TriMark has built its reputation as a **partner** to our Equipment Manufacturer customers. Our Engineering Services offer you expertise, ideas, and resources for your **product development** projects saving your company time and money.

- Worldwide access to Engineering Data and experience in Computer Aided Engineering.
- Program management to further reduce the strain on your engineering time.
- Engineering expertise in a wide variety of applications and equipment.
- World Class testing facilities to validate products in harsh environments.
- 40 years of experience in manufacturing processes insuring best-in-class supplier performance.



Designing and implementing a true Full System Solution takes a wide range of products to insure that all the components come together to form a rugged and reliable system.

Mission / Vision

We focus on “door systems” ~ to control access in and out, while emphasizing safety, security and convenience. We:

- Provide reasonably priced, tailored quality mechanical, electrical, electronic products and systems that stress fit for function
- Are responsive and easy to do business with
- Make promises we can keep and keep promises we make

Our focus on “door systems” means applying our special knowledge:

- To functions: opening/closing, structural support, safety, security, good appearance, quality, sound of operation, ease of manufacturing and assembly.
- To components: latches, locks, striker bolts, hinges, inside handles, exterior handles, rods/cables, windows and regulators, window tracks, switches, wiring, inside assist handles, interior trim, structure and exterior skin.

Industries

- Off-Highway
- Recreational Vehicle
- Specialty Vehicle
- On-Highway Truck
- Armored Vehicle
- Mass Transit
- Industrial Enclosures

Products

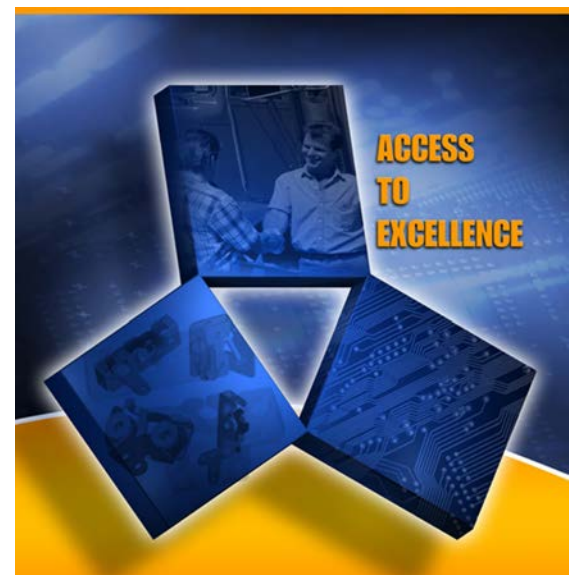
- Latches
- Handles
- Linkages
- Electronics
- Hinges

Capabilities

- Engineering Design
- System Validation
- Metal Fabrications
- Injection Moldings
- Quick Turn Manufacturing
- Line Sequencing

TriMark Corporation is an employee-owned company and is a recognized leader in the design and manufacture of quality hardware products for the recreational vehicle, agricultural, truck, construction, armored vehicle, and enclosure markets. We offer a wide range of locks, handles, latches, striker bolts, linkages, electronic access, complete door access systems, ignition switches and related components.

TriMark Corporate headquarters is located in New Hampton, Iowa, USA. TriMark serves the China market through TriMark Xuzhou and the European market through its subsidiary, TriMark Europe Ltd, based at Bardon Hill, near Coalville, Leicester, UK, with a division called West Alloy located in Sutton, UK. TriMark has been a valued partner supplier to Caterpillar for more than 30 years, in addition to other global customers, including John Deere, Volvo, Paccar, AGCO, Case New Holland, and Winnebago, who provide world class vehicles and equipment.



Convenience and Security are Hallmarks of KeyOne™ Plus



Gone are the days when convenience and security are mutually exclusive **terms when describing key code requirements and single** key access control. TriMark offers a single-key locking solution for the operation of multiple locking products on a vehicle. Our “One Key — One Vehicle” program is made possible with TriMark’s patented KeyOne™ Plus modular lock design that can be easily installed as the last step.

- **Easy** - Allows the OEM’s to line-sequence the key codes without ordering locks or hardware kits in advance of builds.
- **Complete** - Locking program can include ignition locks and fuel caps in addition to cab and compartment doors facilitating key code coordination.
- **Quality** - Automotive-style lock features a high-quality shutter and perimeter waterproof seal reduces the infiltration of dirt and water into the lock.
- **Secure** - Available in a wide variety of codes allowing flexibility in keying a unit alike. To protect overall security, KeyOne™ Plus can be keyed differently for each vehicle.
- **Serviceable** - Able to service the lock cylinder offering OEM's and dealers the option to replace in the event of lost keys or lock failure.
- **Upgradeable** – Able to upgrade the lock cylinder offering the option to change the level of security and convenience through aftermarket sales.
- **Convenient** - No disassembly of the product or door is required.



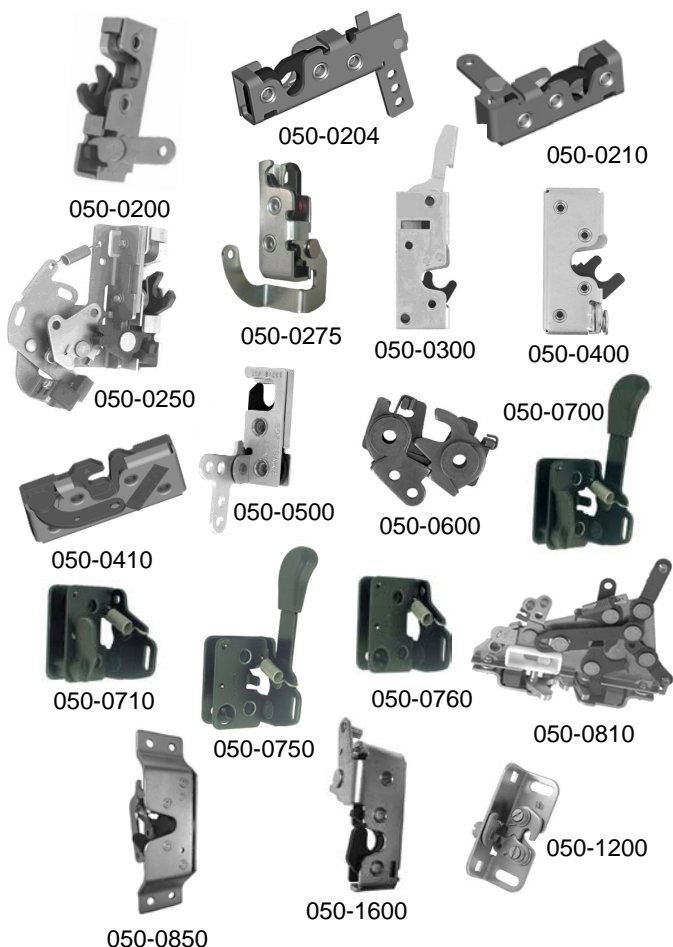
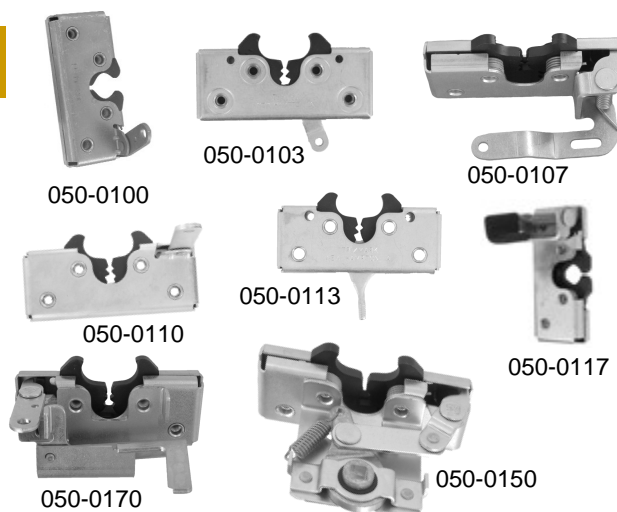
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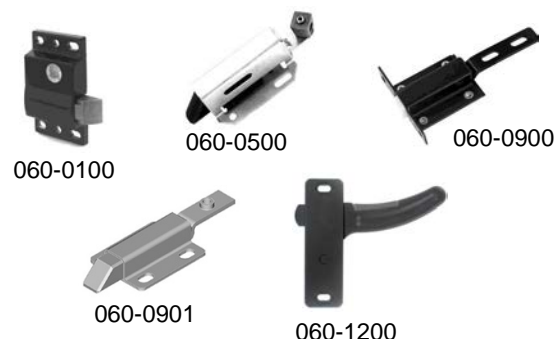


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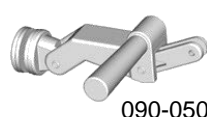


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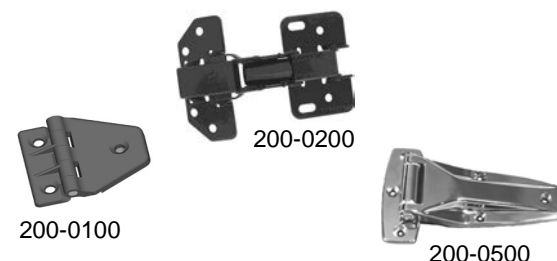
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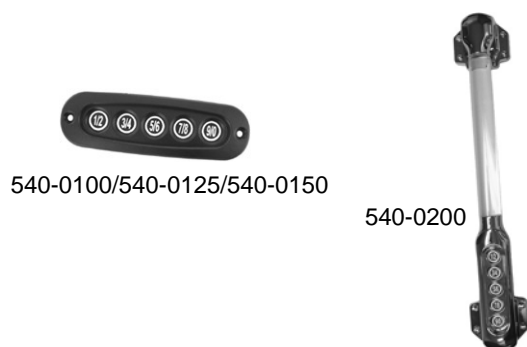
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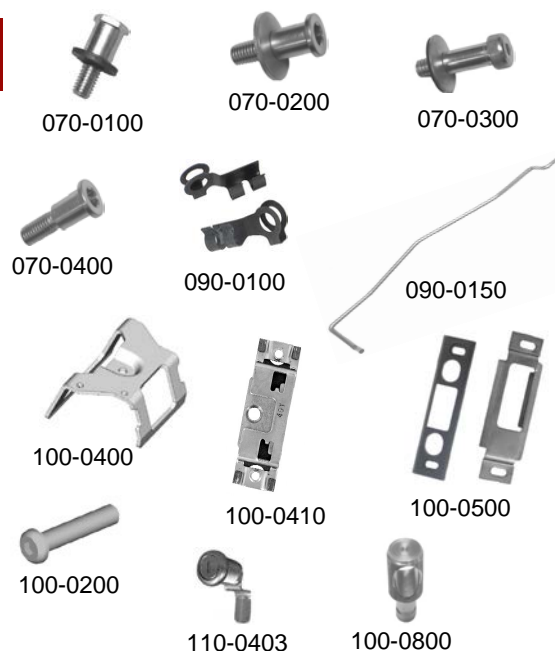
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050-0100 Two-Rotor Latch

This versatile two-rotor latch is designed for medium to heavy-duty applications for on or off-highway entrance doors, compartments and access panels. It features a variety of trip levers and mounting axles for ease of mounting and applications and is FMVSS 206 compliant.

- Door thicknesses of 1-7/8" (47.6mm) or greater
- Door weights of 50-200 lbs (23-91 kg)
- Door seal pressures of 50-150 lbs (23-68 kg) (suggested for best results)
- Use with TriMark 070-0200 Striker Bolt

AVAILABLE:

- In left or right hand configurations (right hand shown)
- With (4) 1/4-20 UNC or M6 X 1 threaded axles
- With trip lever options
- Straddle mount option

MATERIAL:

- Internal latch components: heat treated, smooth edge stamped steel
- Case halves: high strength steel
- Springs: non-corrosive stainless steel

FINISH:

- Zinc plated, clear chromate steel components



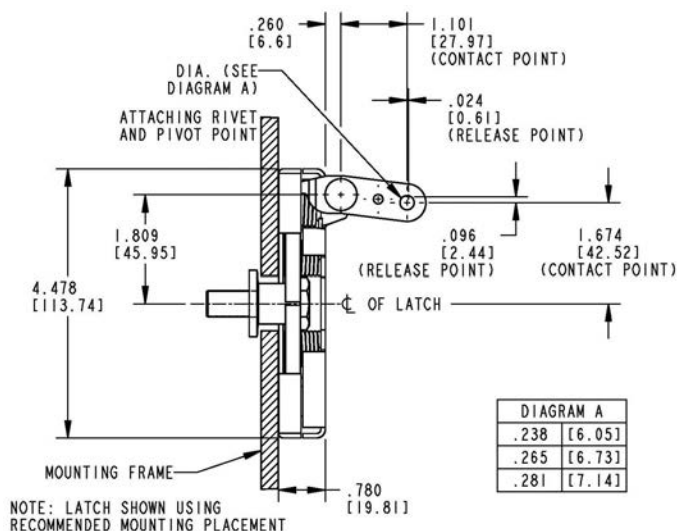
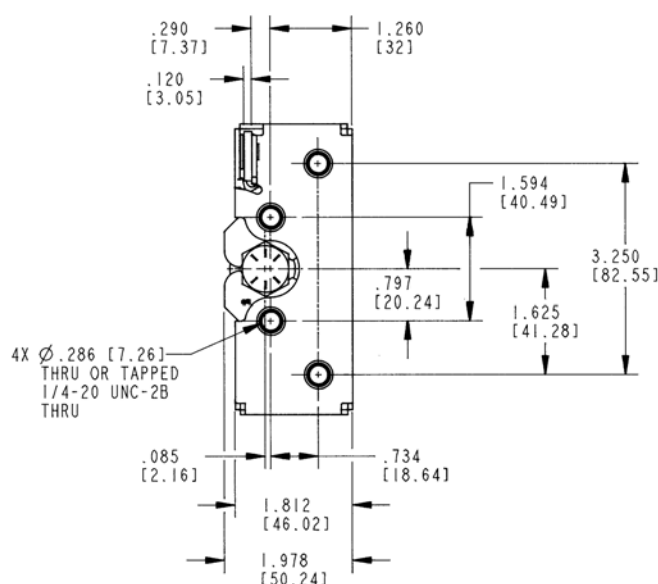
INSTALLATION:

- Four 1/4-20 UNC grade 5 or M6 X 1 class 8.8 or better fasteners are required (not included)
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)
- Fastener mounting holes diameter should not exceed .281" (7.1mm)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied at factory on all critical moving parts

Note that this 050-0100 Two-Rotor Latch complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



Other 050-0100 Two-Rotor Latches

DESIGNED FOR:

- Medium to heavy weight doors for on or off-highway applications
- Applications where it is desirable to have the release mechanism in-line with the latch (050-0103 Two-Rotor Latch 2-Position Intertrip)
- Applications where it is desirable to provide additional support to the trip lever (050-0107 Two-Rotor Latch With Coaxial Trip)
- Applications where it is desirable to have a single position rotary latch (050-0110 Two-Rotor 1-Position Latch)
- Door thicknesses of 1-7/8" or greater (47.6mm)
- Door weights of 50-200 lbs. (23-91kg)
- Door seal pressures of 50-150 lbs. (23-68kg) (suggested for best results)
- Use with TriMark 070-0200 Striker Bolt

AVAILABLE:

- In left or right hand configurations
- With (4) 1/4-20 UNC, M6 X 1 threaded axles or .286" (7.3mm) diameter "thru" axles
- With trip lever options
- With a torsion return spring (050-0107)
- Straddle mount option (050-0110)

FINISH:

- Zinc plated, clear chromate steel components

MATERIAL:

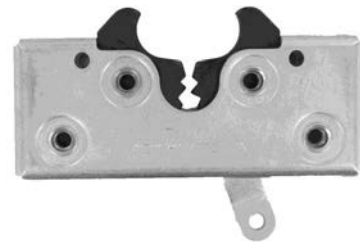
- Internal latch components: heat treated, smooth edge stamped steel
- Case halves: high strength steel
- Springs: non-corrosive stainless steel

INTERNAL LUBRICATION:

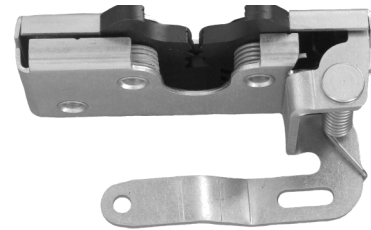
- Oven-cured dry lubricant is applied at factory on all critical moving parts

INSTALLATION:

- Four 1/4-20 UNC grade 5 or M6 X 1 class 8.8 or better fasteners are required (not included)
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13.3 N-m)
- Fastener mounting holes diameter should not exceed .281 (7.1 mm)



050-0103 Two-Rotor Latch 2-Position Intertrip



050-0107 Two-Rotor Latch With Coaxial Trip



050-0110 Two-Rotor Single-Position Latch



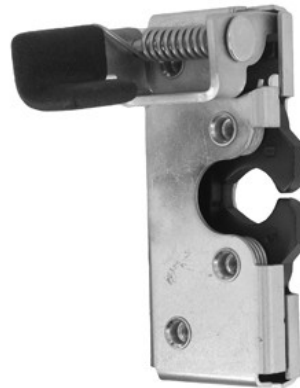
050-0113 Two-Rotor Latch Single-Position Intertrip

050-0103 and 050-0107—Note that the 050-0103 and 050-0107 latches comply with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.

050-0110 and 050-0113—Caution: Single position rotary latches do not comply with FMVSS 206 requirements.

050-0117 Two-Rotor Latch With Coaxial Trip

This 2-rotor latch is a sub-platform to the TriMark proven 050-0110 series latch and is designed for medium to heavy-duty applications for on or off-highway compartments and access panels. It features a coaxial trip mechanism for applications where it is desirable to provide additional support to the trip lever with a single position latch.



DESIGNED FOR:

- Door thicknesses of 1-7/8" or greater (47.6mm)
- Door weights of 50-200 lbs. (23-91 kg)
- Door seal pressures of 50-0150 lbs. (23-68 kg) (suggested for best results)
- Applications where it is desirable to provide additional support to the trip lever
- Use with TriMark 070-0200 Striker Bolt

AVAILABLE:

- In left or right hand configurations (right hand shown)
- With (4) 1/4-20 UNC or M6 x 1 threaded axles or .286 (7.3mm) diameter "thru" axles
- With trip lever options (please inquire)
- With a torsion return spring

FINISH:

- Zinc plated, clear chromate steel components

MATERIAL:

- Internal latch components: heat treated, smooth edge stamped steel
- Case halves: high strength steel
- Springs: non-corrosive stainless steel

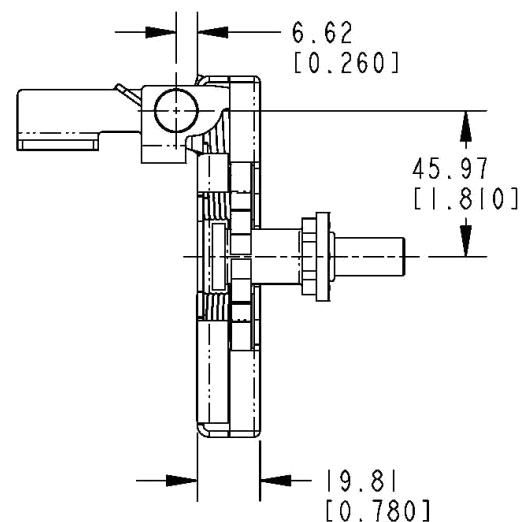
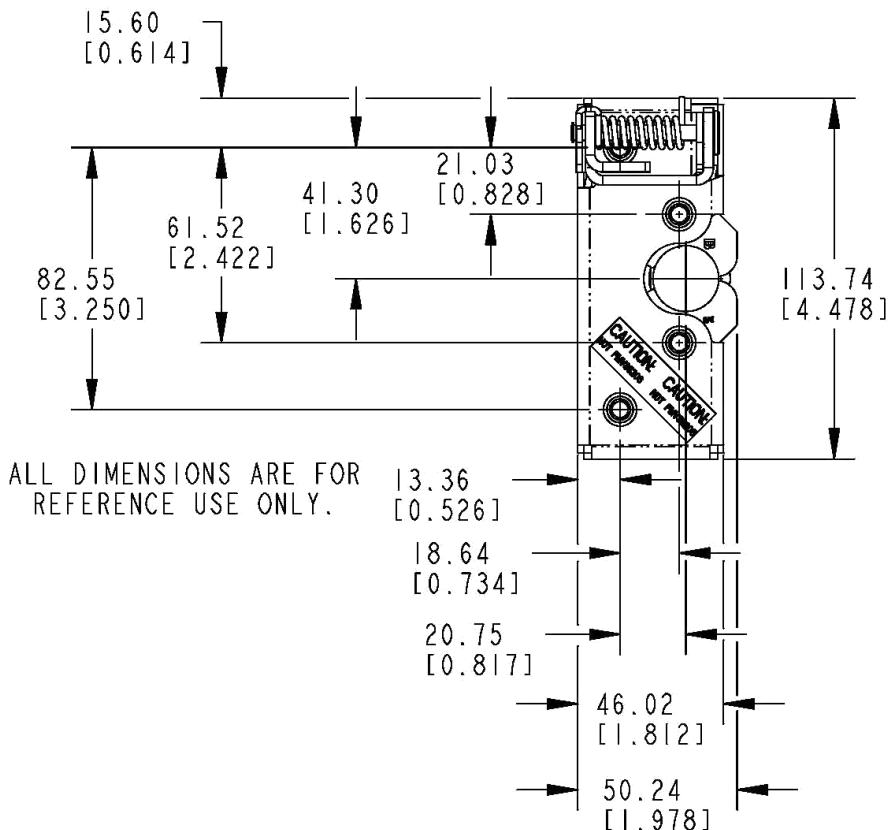
INSTALLATION:

- Four 1/4-20 UNC grade 5 or M6 x 1 class 8.8 or better fasteners are required (not included)
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)
- Fastener mounting holes diameter should not exceed .281 (7.1mm)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied at factory on all critical moving parts

Caution: Single position rotary latches do not comply with FMVSS 206 requirements.



050-0150 Two-Rotor Latch & Release Linkage

This two-rotor latch is designed for medium to heavy-duty applications for off-highway entrance doors. It features an integrated linkage that allows for direct L-handle actuation and provides for ease of mounting and applications.

DESIGNED FOR:

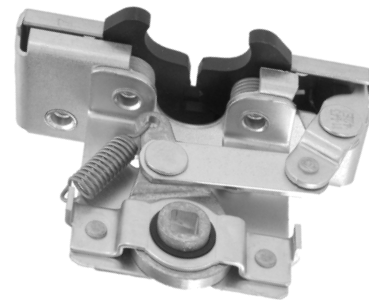
- Door thicknesses of 1-7/8" (47.6mm) or greater
- Door weights of 50-200 lbs. (23-91 kg)
- Door seal pressures of 50-150 lbs. (23-68 kg) (suggested for best results)
- Use with TriMark 070-0200 Striker Bolt

AVAILABLE:

- In left or right hand configurations (right hand shown)
- With drive bar receiver parallel to striker bolt or rotated in 15° increments (as illustrated)

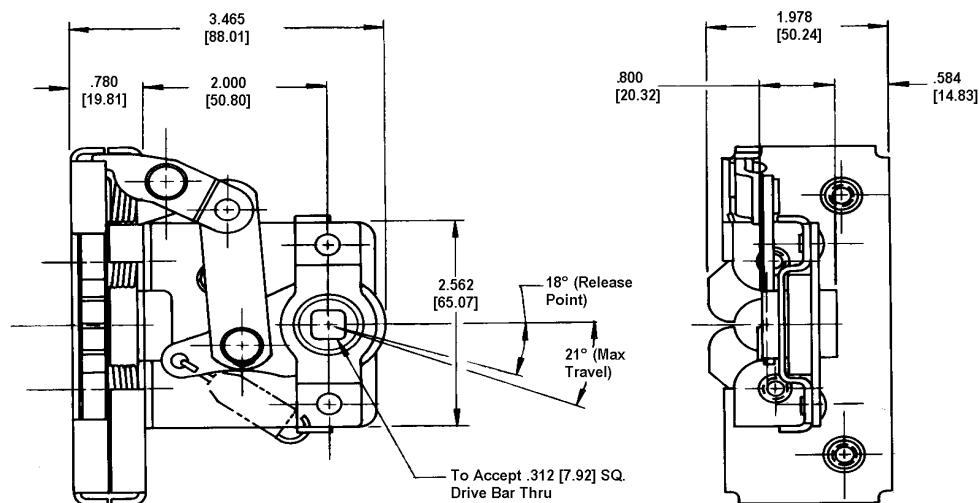
INSTALLATION:

- Four 1/4-20 UNC grade 5 mounting fasteners (not included)
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13 N-m)
- Maximum .312 (7.9mm) diameter mounting holes



Note that the 050-0150 Two-Rotor Latch & Release Linkage complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.

Caution: Product does not meet the locking requirements for FMVSS 206.



050-0170 Two-Rotor Latch With Bellcrank Linkage

This two-rotor latch is designed for medium to heavy-duty applications for off highway entrance doors where push button handle actuation is desired. It features an integrated linkage that allows for direct push button actuation and direct inside release and provides for ease of mounting and applications.

DESIGNED FOR:

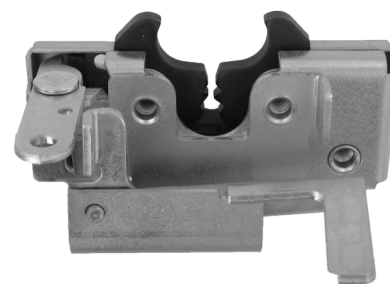
- Door thicknesses of 1-7/8" (47.6mm) or greater
- Door weights of 50-200 lbs. (23-91 kg)
- Door seal pressures of 50-150 lbs. (23-68 kg) (suggested for best results)
- Use with TriMark 070-0200 Striker Bolt

AVAILABLE:

- In left or right hand configurations (left hand shown)
- With (4) 1/4-20 UNC or M6 X 1 threaded axles
- With inside release lever options and trip lever options

INSTALLATION:

- Four 1/4-20 UNC grade 5 or M6 X 1 class 8.8 mounting fasteners (not included)
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)
- Maximum .281 (7.1mm) diameter mounting holes



FINISH:

- Zinc plated, clear chromate steel components

MATERIAL:

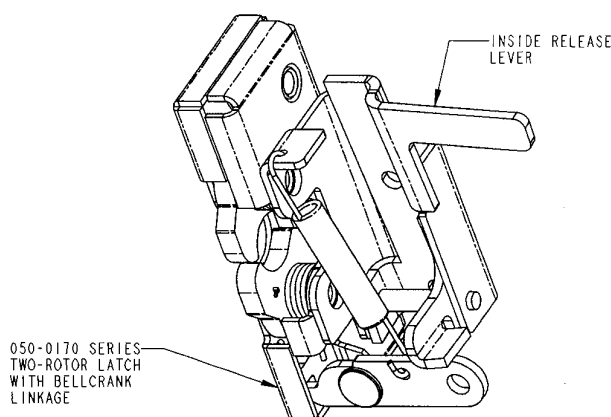
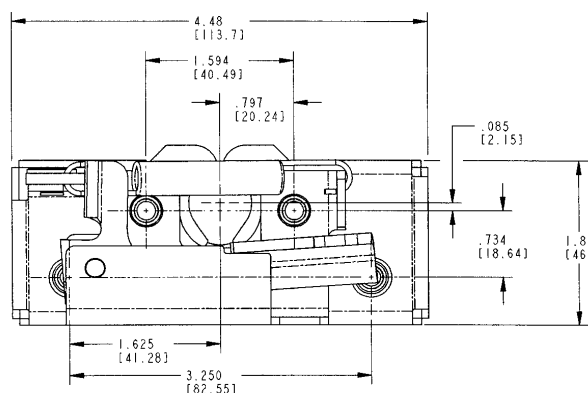
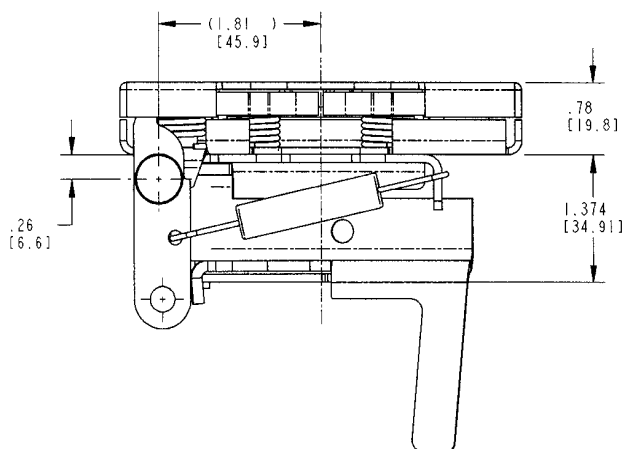
- Internal latch components: heat treated, smooth edge stamped steel
- Case halves: high strength steel
- Springs: non-corrosive stainless steel

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied at factory on all critical moving parts

Note that the 050-0170 Two-Rotor Latch With Bellcrank Linkage complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.

Caution: Product does not meet the locking requirements for FMVSS 206.



050-0200 Slimline Rotary Latch

This compact single rotor latch is designed for light to medium applications for on or off-highway entrance doors, compartments and access panels. It features a variety of trip levers and mounting axles for ease of mounting and applications and is FMVSS 206 compliant.

- Thinner, light or medium weight door applications
- Door weights up to 75 lbs. (37 kg)
- Door seal pressures of 20-25 lbs. (9-11 kg) recommended for best results (not to exceed 50 lbs. [23 kg])
- Visible surface installation or concealed installation
- Use with TriMark 070-0100 Striker Bolt

AVAILABLE:

- Left or right hand configurations (left hand shown)
- With standard .265" (6.7mm) diameter "thru" axles as shown, 1/4-20 UNC threaded axles or M6 X 1.0 threaded axles

FINISH:

- Zinc plated, clear chromate steel components
- Stainless steel

MATERIAL:

- Internal latch components: heat treated smooth edge stamped steel
- Springs: non-corrosive stainless steel
- Case halves: high strength steel



INSTALLATION:

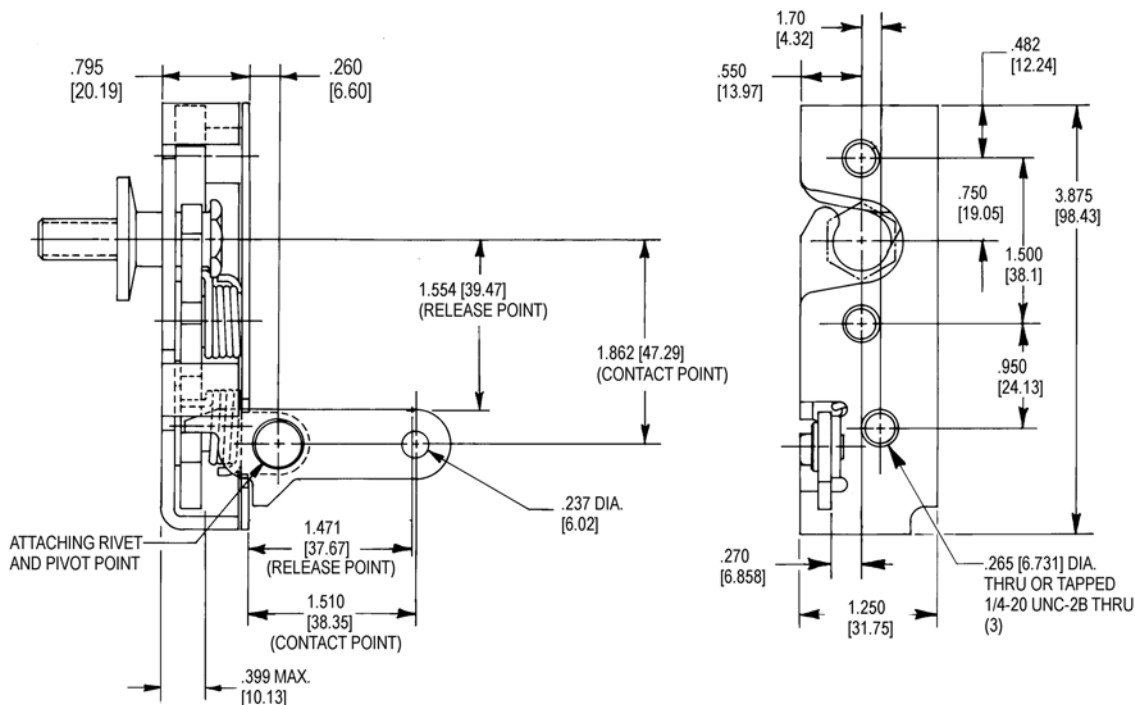
- Three 1/4-20 UNC grade 5-type or M6 X 1 class 8.8 or better fasteners are recommended
- Vertical mounting with support ramp at top is required for proper alignment and subsequent engagement of locking pawl and striker bolt
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13.3 N-m)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied on all critical moving parts

U.S. Patent No. 7,156,430 / 7,320,488

Note that the 050-0200 Slimline Rotary Latch complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



Other 050-0200 Slimline Latches

DESIGNED FOR:

- Thinner, light or medium weight door applications requiring resistance to dust and vibration
- Door weights up to 75 lbs. (34 kg)
- Door seal pressures of 20-25 lbs. (9-11 kg) recommended for best results. Not to exceed 50 lbs. (23 kg)
- Visible surface installation or concealed installation
- Applications where it is desirable to have the release mechanism in line with the latch (050-0204)
- Applications where it is desirable to have a single position rotor latch (050-0210)
- Use with TriMark 070-0100 Striker Bolt

AVAILABLE:

- Left or right hand configurations
- With standard .265 (6.7mm) diameter "thru" axles as shown, 1/4-20 UNC threaded axles or M6 X 1.0 threaded axles

FINISH:

- Zinc plated, clear chromate steel components

MATERIAL:

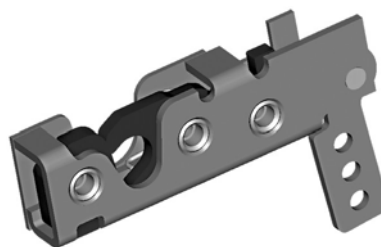
- Internal latch components: heat treated smooth edge stamped steel
- Springs: non-corrosive stainless steel
- Case halves: high strength steel

INSTALLATION:

- Three 1/4-20 UNC grade 5-type or M6 X 1 class 8.8 or better fasteners are recommended
- Vertical mounting with support ramp at top is required for proper alignment and subsequent engagement of locking pawl and striker bolt
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13.3 N-m)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied on all critical moving parts



050-0204 Slimline Latch With Inline Trip Lever

Note that the 050-0204 Slimline Latch With Inline Trip Lever complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



050-0210 Slimline Rotary Latch Single-Position

Caution: Single position rotary latches do not comply with FMVSS 206 requirements.

050-0250 Single Rotor Latch & Linkage Assembly

This latch and linkage system is intended for occupant or exit/entry doors for recreational vehicles including motor homes, travel trailers and specialty vehicles including ambulance, fire/rescue and off-highway vehicles (light duty) that require compliance to FMVSS 206 standards. The flexible design allows for internal or external door mounting and provides automotive logic function with remote activating handles.

- Door weights up to 75 lbs. (34 kg)
- Door seal pressures of 20-25 lbs. (9-11 kg) recommended for best results (not to exceed 50 lbs. [23 kg])
- Use with TriMark 070-0100 Striker Bolt

AVAILABLE:

- Right or left hand configurations (left hand shown)
- Spacer plate is available to facilitate interior door mounting
- Improved versions are available with increased mechanical advantage that reduce the release efforts at the exterior and interior handles. These versions are retrofits with previous part numbers but may require connecting rod revisions, due to the increased length of the linkage and slightly revised rod connections points.

FINISH:

- Zinc plated clear chromate steel components

MATERIAL:

- Internal latch components: heat treated, smooth edge stamped steel
- Springs: non-corrosive stainless steel
- Case halves: high strength steel



INSTALLATION:

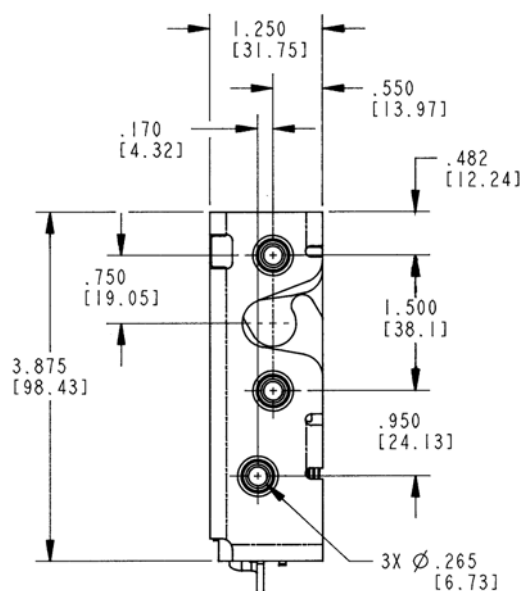
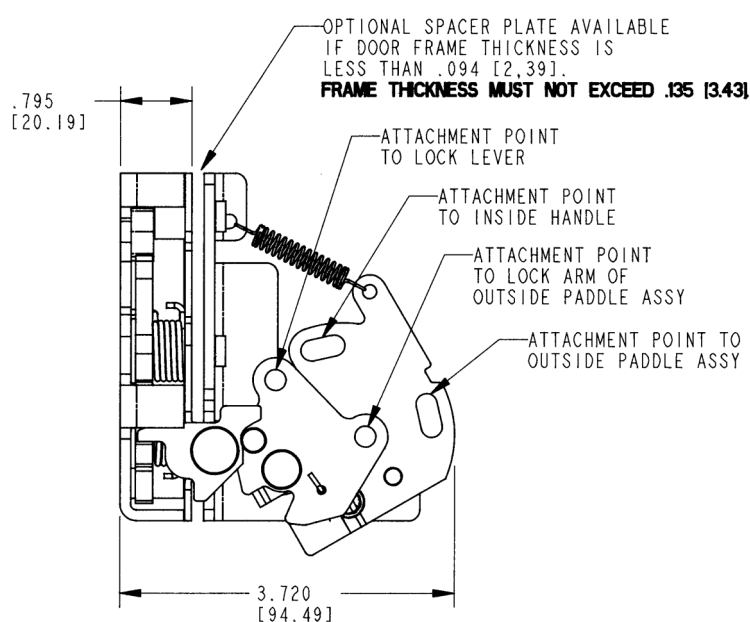
- Can be mounted inside or outside of door edge
- Three 1/4-20 UNC grade 5-type or better fasteners are recommended (not included)
- Tighten to the manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied on all critical moving parts

U.S. Patent No. 7,156,430 / 7,320,488

Note that the 050-0250 Single Rotor Latch & Linkage Assembly complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



050-0275 Slimline Cargo Latch

This compact single rotor latch is designed for light duty applications for on-road utility cargo doors. This latch is not designed to comply with FMVSS 206 requirements.

- Thinner, light weight door applications
- Door weights up to 75 lbs. (34 kg)
- Door seal pressures of 20-25 lbs. (9-11 kg) recommended for best results
- Non FMVSS 206 applications
- Use with TriMark 070-0100 Striker Bolt

FEATURES/BENEFITS:

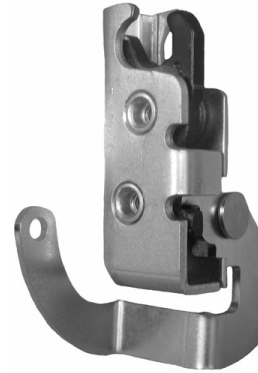
- Compact size allows for more head clearance in a cargo door application
- The case design allows the latch to be mounted closer to the door top and bottom edge for non-protruding striker details
- Allows for use with a hoop type striker (not available at this time — please inquire)

AVAILABLE:

- Left or right hand configurations (left hand shown)
- With 1/4-20 axles as shown or (optional) .265 "thru" axles or M6 X 1.0 threaded axles
- Other actuation levers are available — please inquire

FINISH:

- Zinc plated, clear chromate steel components
- Stainless steel springs



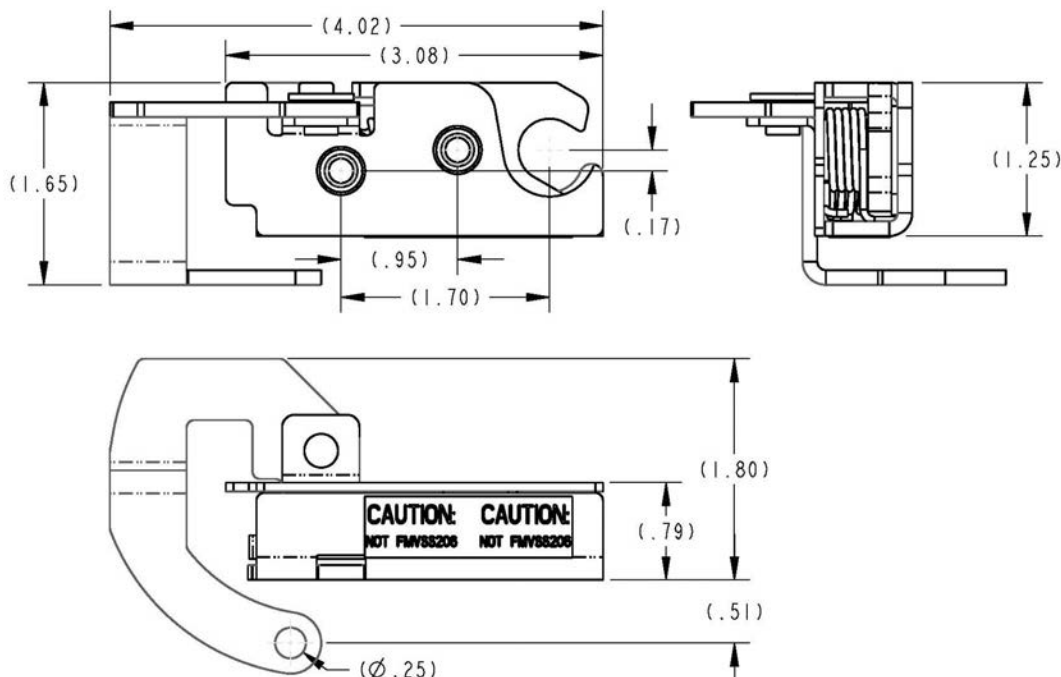
INSTALLATION:

- Two 1/4-20 UNC or M6 X 1 fasteners are recommended
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13.3 N-m)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied on all critical moving parts

Caution: Latch does not meet FMVSS 206 load requirements.



050-0300 Single Rotor Latch

This compact single rotor latch is designed for light to medium applications for on or off-highway compartment doors and access panels. It features a single or two-position compact rotary and is available in a variety of trip levers and mounting axles for ease of mounting applications

- Most storage, compartment and access doors
- Windows
- Any application where finger or remote release is desired
- Use with TriMark 070-0100 Striker Bolt

MATERIAL:

- Strike, rotor and rotor catch: heat treated, smooth edge stamped steel
- Case halves: zinc plated, mild steel components

AVAILABLE:

- Latch is non-handed, but trip lever handing is available
- With (2) 1/4-20 UNC or M6 X 1.0 threaded axles or .265 (6.7mm) diameter "thru" axles



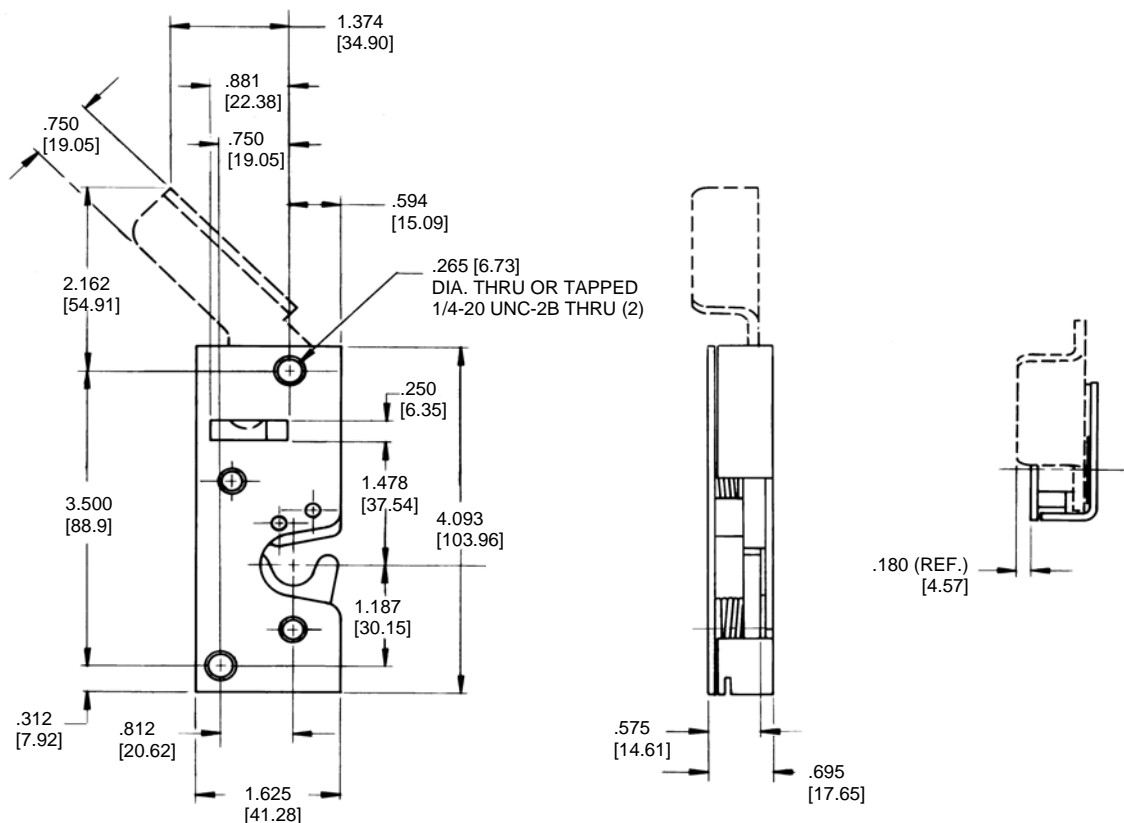
INSTALLATION:

- Two 1/4-20 UNC grade 5-type or M6 X 1.0 class 8.8 or better fasteners are required fasteners (not included)
- Tighten to fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13.3 N-m)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied to catch and rotor

Caution: Latch does not meet FMVSS 206 load requirements.



050-0400 Floating Striker Single Rotor Latch

This robust single rotor latch is designed for medium to heavy-duty applications for on or off highway entrance doors, compartments and access panels. It features a vertical clearance rotor for high vibration applications and is available in a variety of trip levers and mounting axles for ease of mounting/application and is FMVSS 206 compliant.

- Door thicknesses of 1-7/8" (47.6mm) or greater
- Door weights of 50-200 lbs. (23-91 kg)
- Door seal pressures of up to 150 lbs. (68 kg) (< 50 lbs. (23 kg) suggested for best results)
- Visible surface installation or concealed inside installation
- Use with TriMark 070-0201 Striker Bolt

FEATURES/BENEFITS:

- Allows for $\pm .143$ (3.63) strike travel from .789 (19.91) locating dimension
- Ideal for applications with high vibration loading and where controlled travel between the latch and strike is characteristic of the application
- Single-position rotary style latching

FINISH:

- Zinc plated, clear chromate steel components

MATERIAL:

- Internal latch components: heat treated, smooth edge stamped steel
- Case halves: high strength steel
- Springs: non-corrosive stainless steel



INSTALLATION:

- Four 1/4-20 UNC grade 5 or M6 X 1 class 8.8-type fasteners are required (not included)
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13 N-m)
- Fastener mounting holes diameter should not exceed .281 (7.1mm)

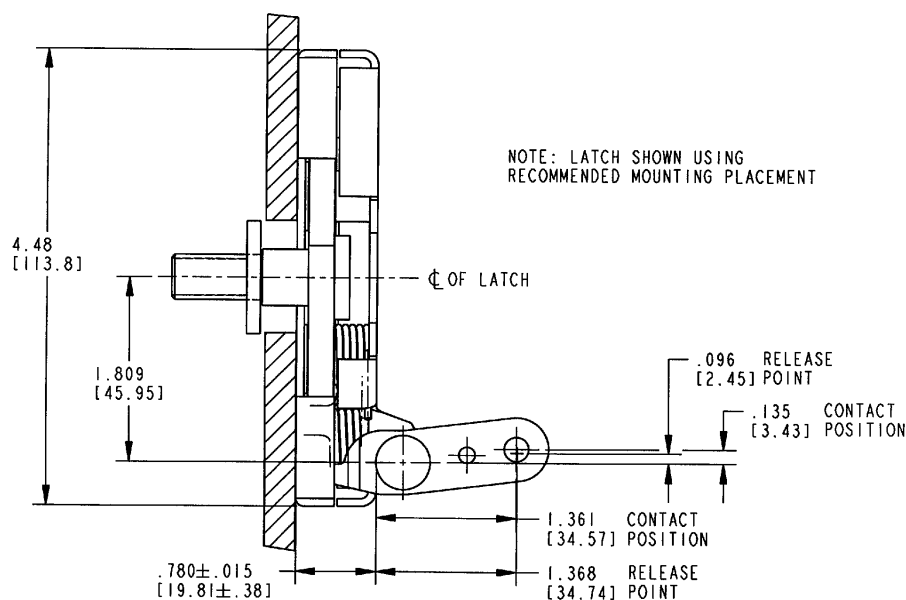
AVAILABLE:

- In left or right hand configurations (right hand shown)
- With (4) 1/4-20 UNC, M6 X 1 threaded axles or .286 (7.3mm) through axles
- With trip lever options

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied at factory on all critical moving parts

Note that the 050-0400 Floating Striker Single Rotor Latch complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



050-0410 Floating Striker Single-Position Rotor Latch

This single rotor latch is a sub-platform to the proven 050-0400 series latch and is designed for medium to heavy-duty applications for on or off-highway compartments and access panels where it is desirable to have a single position latch

- Applications requiring resistance to vibration
- Door thicknesses of 1-7/8" or greater
- Door weights of 50-200 lbs.
- Door seal pressures of up to 150 lbs. (< 50 lbs. suggested for best results)
- Visible surface installation or concealed inside installation
- Use with TriMark 070-0201 Striker Bolt

FEATURES/BENEFITS:

- Allows for $\pm .143$ (3.63) strike travel from .789 (19.91) locating dimension
- Ideal for applications with high vibration loading and where controlled travel between the latch and strike is characteristic of the application
- Single position rotary style latching action

FINISH:

- Zinc plated, clear chromate steel components

MATERIAL:

- Internal latch components: heat treated, smooth edge stamped steel
- Case halves: high strength steel
- Springs: non-corrosive stainless steel



INSTALLATION:

- Four 1/4-20 UNC grade 5 or M6 X 1 class 8.8-type fasteners are required (not included).
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13 N-m)
- Fastener mounting holes diameter should not exceed .281 (7.1 mm)

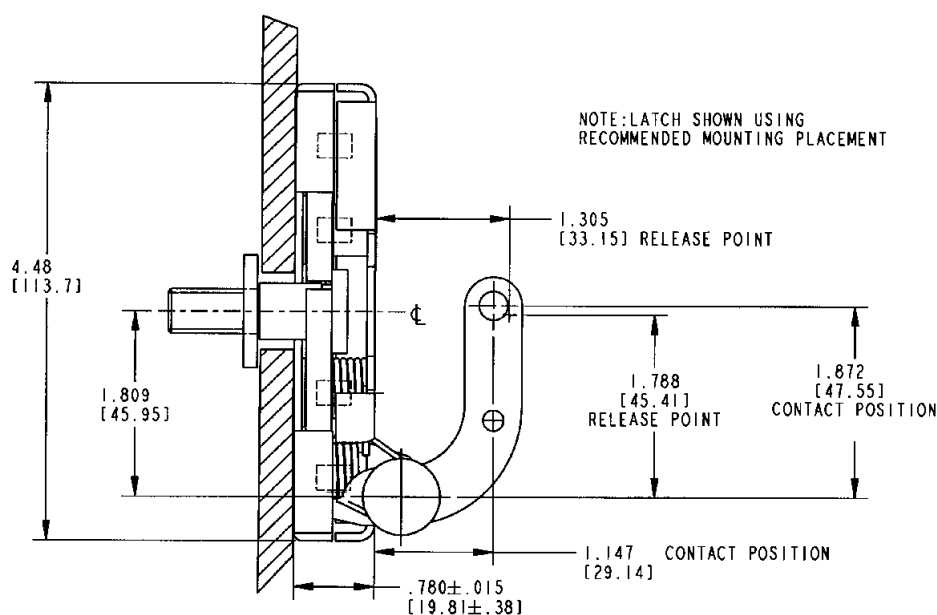
AVAILABLE:

- In left or right hand configurations (right hand shown)
- With (4) 1/4-20 UNC, M6 x 1 threaded axles or .286 through axles
- With trip lever options

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied at factory on all critical moving parts

Caution: Single position rotary latches do not comply with FMVSS 206 requirements.



050-0500 Single Rotor Mini-Latch

Designed for small compartment and access doors where low cost slam action latching is desired. It features a single or two-position compact rotary and is available in a variety of trip levers and mounting axles for ease of mounting and applications

- Pickup box lids and cross bed tool boxes
- Light weight door applications
- RV baggage doors
- Door closing forces of 15-20 lbs. (6.8-9 kg) recommended for best results (not to exceed 50 lbs. [23 kg])
- Release efforts are approximately proportional to door closing forces
- Use with TriMark 070-0300 Striker Bolt

FEATURES/BENEFITS:

- Compact size
- Low cost
- Single position rotary style latching action
- Double position also available

AVAILABLE:

- Right and left hand configurations (left hand shown)
- With 1/4-20 UNC threaded axles
- Base mount
- With rod collars attached

MATERIAL:

- Internal latch components and case halves: high-strength steel
- Springs: non-corrosive stainless steel



FINISH:

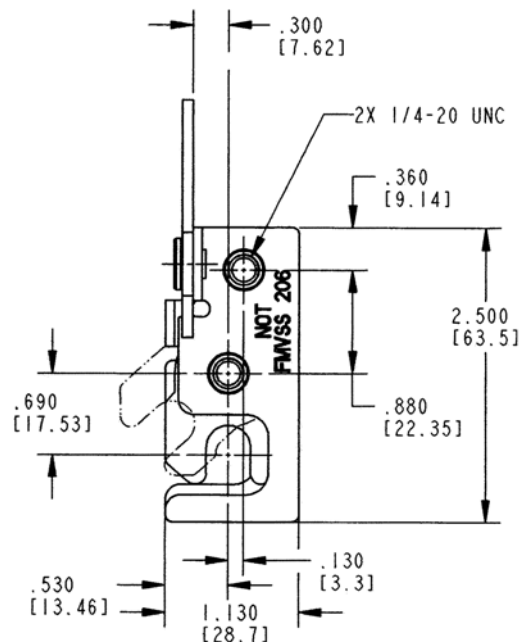
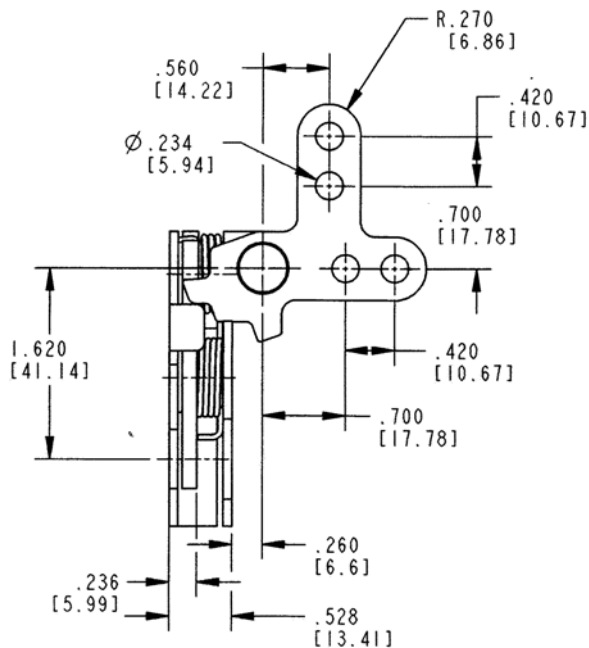
- Zinc plated, clear chromate
- Stainless steel

INSTALLATION:

- Two 1/4-20 UNC mounting fasteners (not included)
- Custom mounting brackets and release levers upon request
- Tighten to the manufacturers' recommended torque value, however, do not exceed 100 in-lbs. (11.2 N-m)

NOTE: Rod collars are not intended or recommended for use in applications that require FMVSS 206 compliance or applications that have heavy or extreme striker bolt loads (> 25 lbs. / 11 kg) and/or high to extreme usage (> 100,000 door cycles/life).

Caution: Latch does not meet FMVSS 206 load requirements.



050-0600 Single Rotor Compartment Latch

This latch is intended for storage and compartment doors for off-road vehicles including agricultural and construction equipment. The robust construction and compact size at a very cost effective price make it a great choice for light to medium duty compartment door applications.

- Access panels and hoods for off-highway vehicle applications
- Applications where it is desirable to have a single rotor latch that offers robust construction and compact size for a very cost effective price
- Use with TriMark 070-0400 Striker Bolt

FEATURES/BENEFITS:

- Compact size
- Use with 12mm diameter striker or standard bar stock
- Mounts with (2) M8 X 1.25 fasteners (not included)
- Threaded axle version provides ease of installation

AVAILABLE:

- Right or left hand configurations (left hand shown)
- Single or two position rotary style latching function
- Several standard release actuators are available



INSTALLATION:

- Installed with (2) M8 X 1.25 bolts (not included)
- Tighten to the manufacturers' recommended torque value, however, do not exceed 22.2 N-m (180 in-lbs)

FINISH:

- Zinc plated, clear chromate steel components

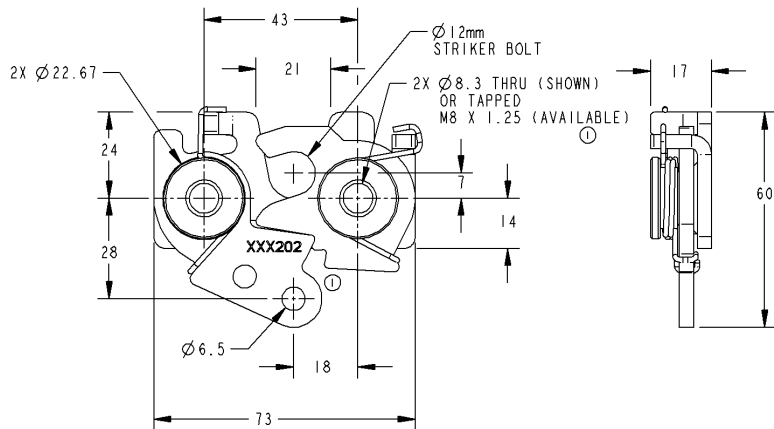
MATERIAL:

- Case and actuator: high strength steel
- Springs: non-corrosive stainless steel

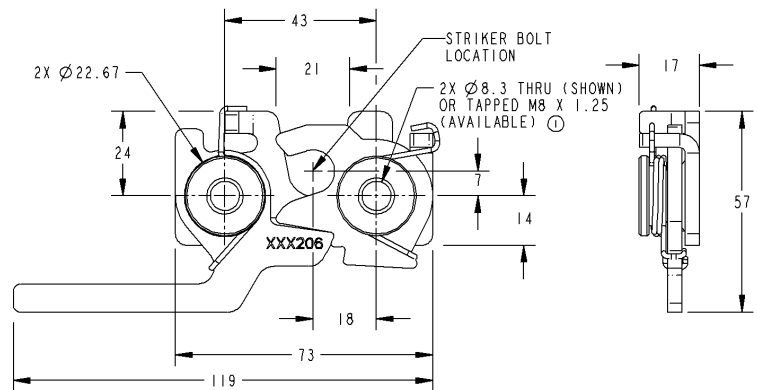
Caution: Latch does not meet FMVSS 206 load requirements.

The following drawings show standard versions of the 050-0600 and do not depict all of the configurations available.

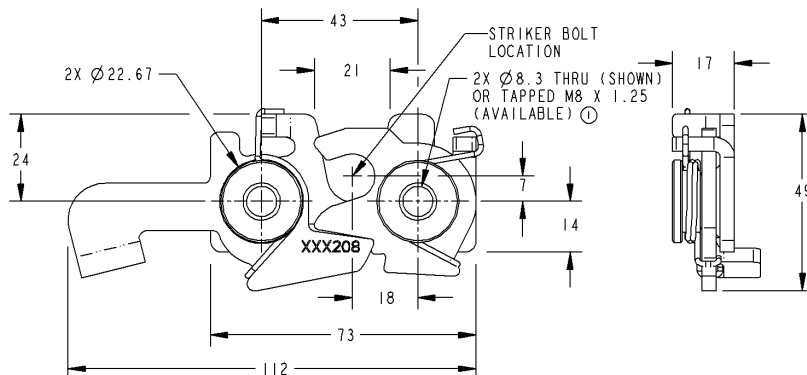
Version A



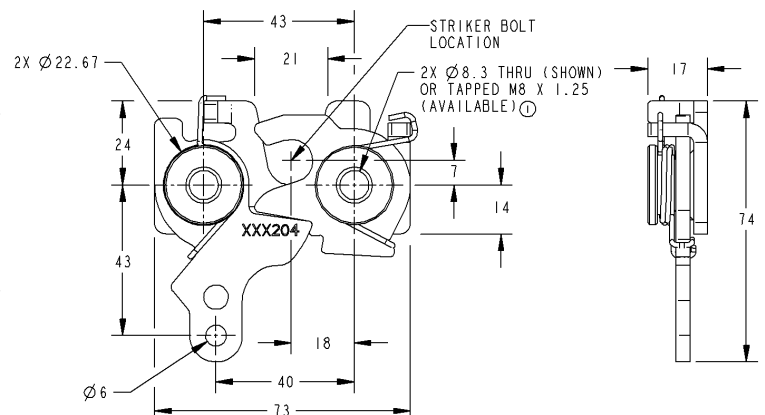
Version C



Version B



Version D



050-0700 12mm Single Rotor Latch

This compact single rotor latch is designed for use on light to medium duty operator and compartment doors for on- or off-highway applications. There are a number of variants allowing it to interface with TriMark's range of external and internal methods of activation for application flexibility.

- Operator and compartment door applications for on and off-highway vehicles
- Light to medium duty doors up to 25 kg (55 lbs.) with door seal pressures no greater than 20 kg (44 lbs.)
- Use with TriMark 070-0400 Striker Bolt

FEATURES/BENEFITS:

- Compact size and shape; allows maximum visibility and use of door space
- Four standard variants; provides application flexibility
- Black finish reduces the need for secondary painting or covers

MATERIAL:

- Rotor: heat treated steel
- Case halves: high strength steel
- Springs: non-corrosive stainless steel
- Inside release knob: black PVC plastic
- Push button bellcrank: die cast zinc alloy

FINISH:

- Zinc plated steel components with black chromate



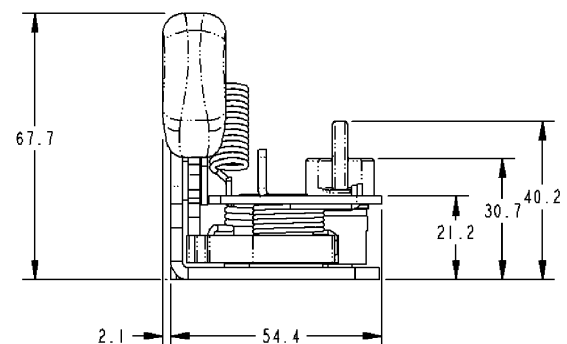
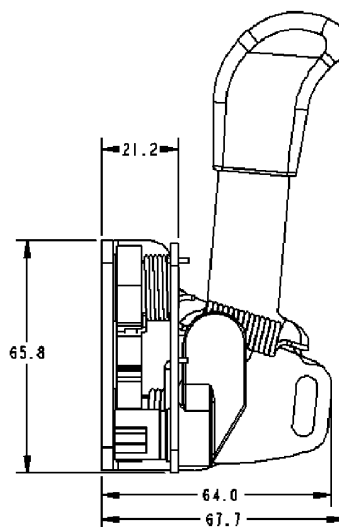
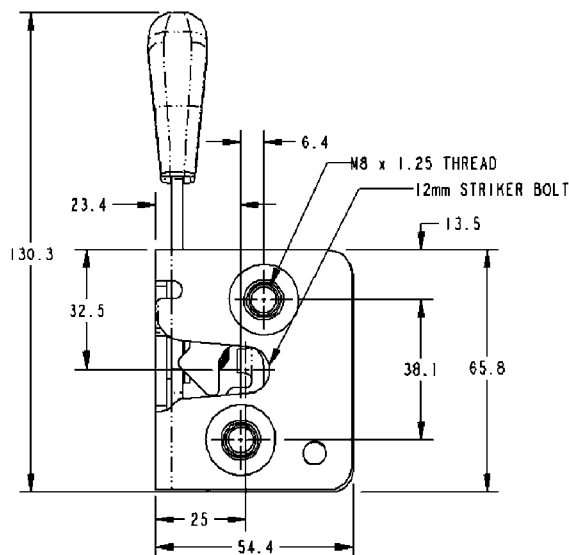
INSTALLATION:

- M8 x 1.25 threaded axle; provides ease of installation (Tighten to the fastener manufacturer's recommended torque value)

AVAILABLE:

- Versions are available to allow direct or remote actuation from exterior handles and interior release
- Standard left and right hand versions; allows use in either orientation (right hand shown)
- Standard M8 X 1.25 threaded axles as shown or 8.4mm diameter "thru" axles

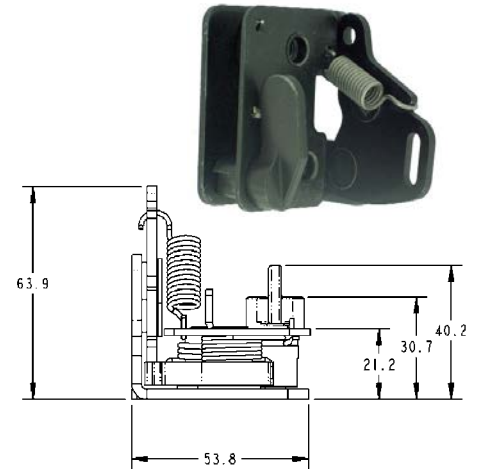
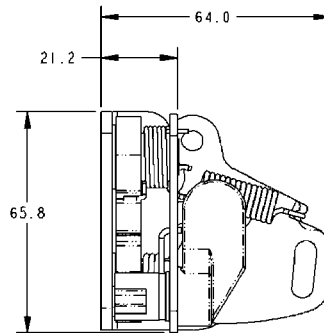
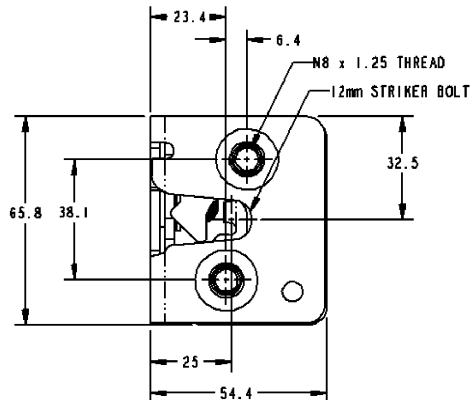
Caution: Product does not meet the locking requirements for FMVSS 206.



050-0710 Direct Push Button / Remote Inside Release

The 050-0710 version features an integrated bellcrank for direct push button handle release and a separate remote inside release for application flexibility.

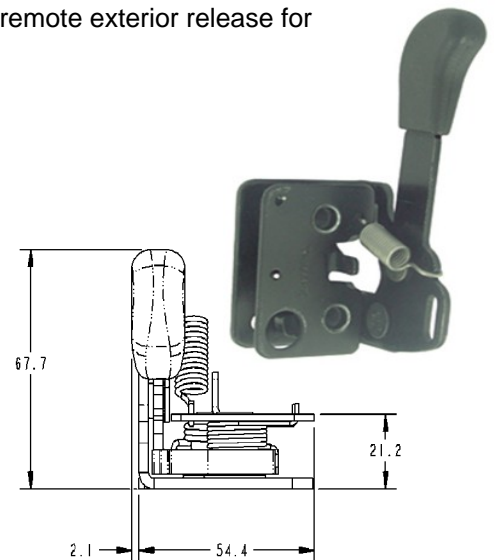
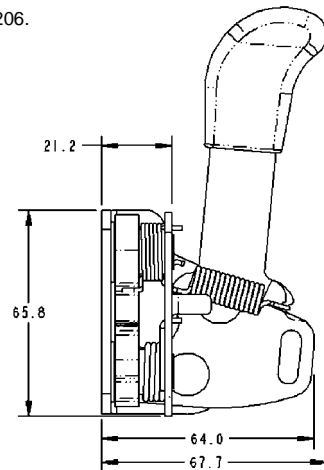
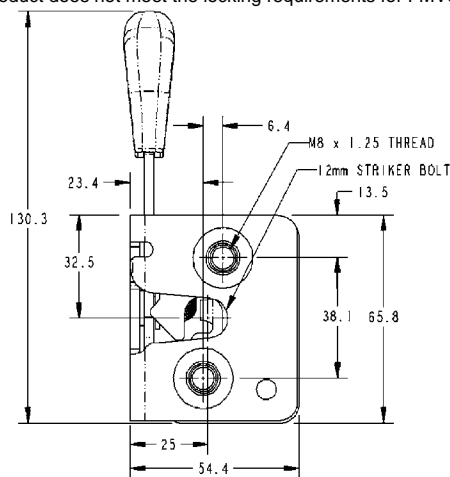
Caution: Product does not meet the locking requirements for FMVSS 206.



050-0750 Remote Exterior / On-Latch Inside Release

The 050-0750 version features an on-latch inside release lever with provision for remote exterior release for application flexibility.

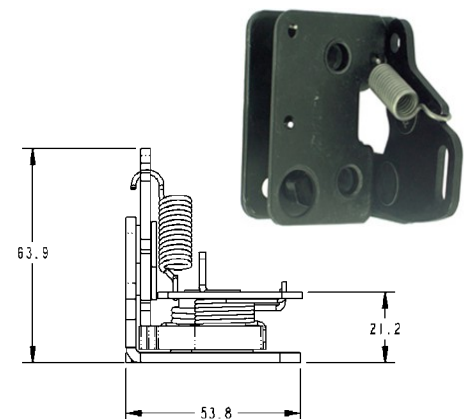
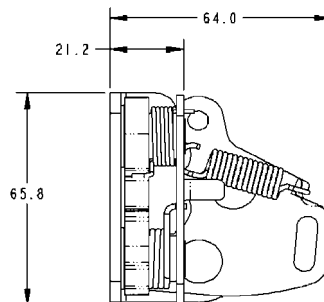
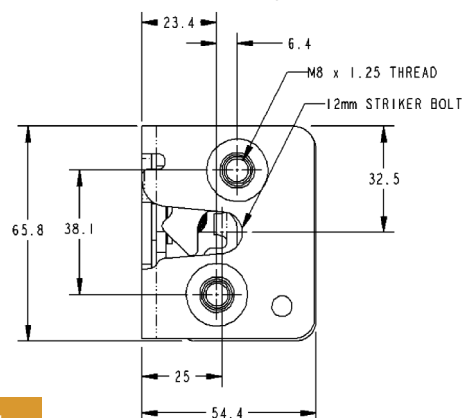
Caution: Product does not meet the locking requirements for FMVSS 206.



050-0760 Remote Exterior / Remote Inside Release

The 050-0760 version features a single actuator that provides remote inside and exterior release for the ultimate in simplicity and application flexibility.

Caution: Product does not meet the locking requirements for FMVSS 206.



050-0810 Single Rotor Latch Logic

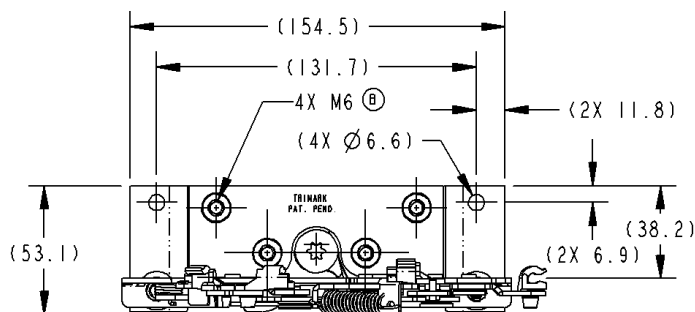
This latch system is intended for occupant or exit/entry doors for specialty vehicles including ambulance, fire/rescue and off-highway vehicles (light duty) that require compliance to FMVSS 206 standards. The flexible design allows for internal or external door mounting and provides automotive logic function with remote activating handles.

- Applications where it is desirable to have the ability to electronically lock the door
- Medium to heavy weight door applications
- Door weights up to 150 lbs. (68 kg) maximum
- Door seal pressures of 25-50 lbs. (11-23 kg) recommended for best results
- Use with TriMark 070-0201 Striker Bolt

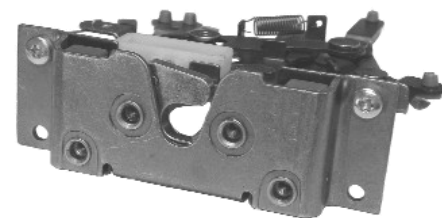
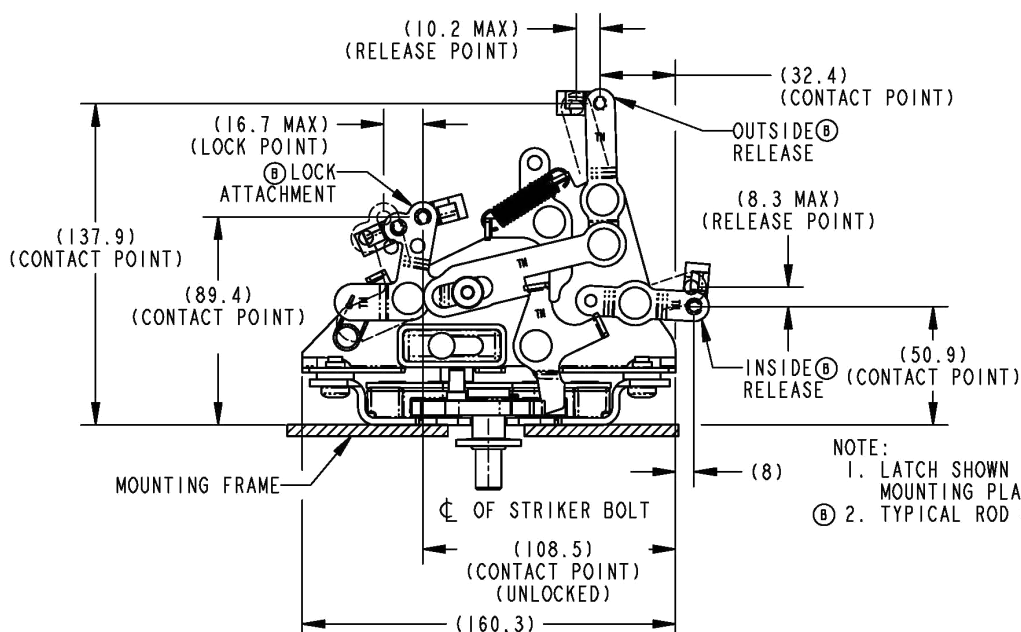
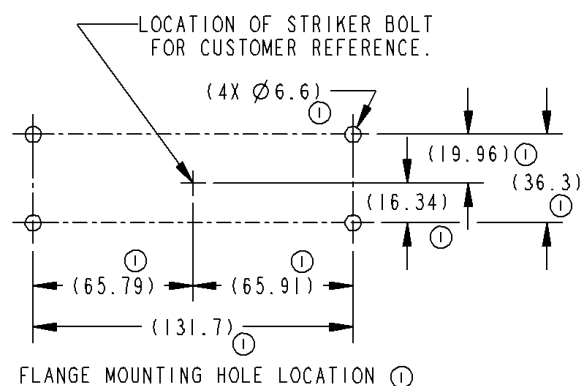


FEATURES/BENEFITS:

- Provides automotive locking logic function
- Mounts in doors requiring latch location remote from activating handles
- Latch and logic has a no lock-out detail that will not allow you to lock the door unless it is closed. This eliminates the possibility of inadvertently locking the keys in the vehicle.
- The logic provides an over-ride function that automatically unlocks the door when the inside door handle is operated. This feature provides egress without having to manually unlock the door before operating the handle.



INTERIOR AXLE MOUNTING CONFIGURATION



AVAILABLE:

- Right or left hand configurations (right hand shown)
- With (4) 1/4-20 UNC or M6 X 1 threaded axles
- Linkage rods available for your specific applications

FINISH:

- Zinc plated clear chromate steel components
- Linkage components are Nitrotec® treated for wear resistance

MATERIAL:

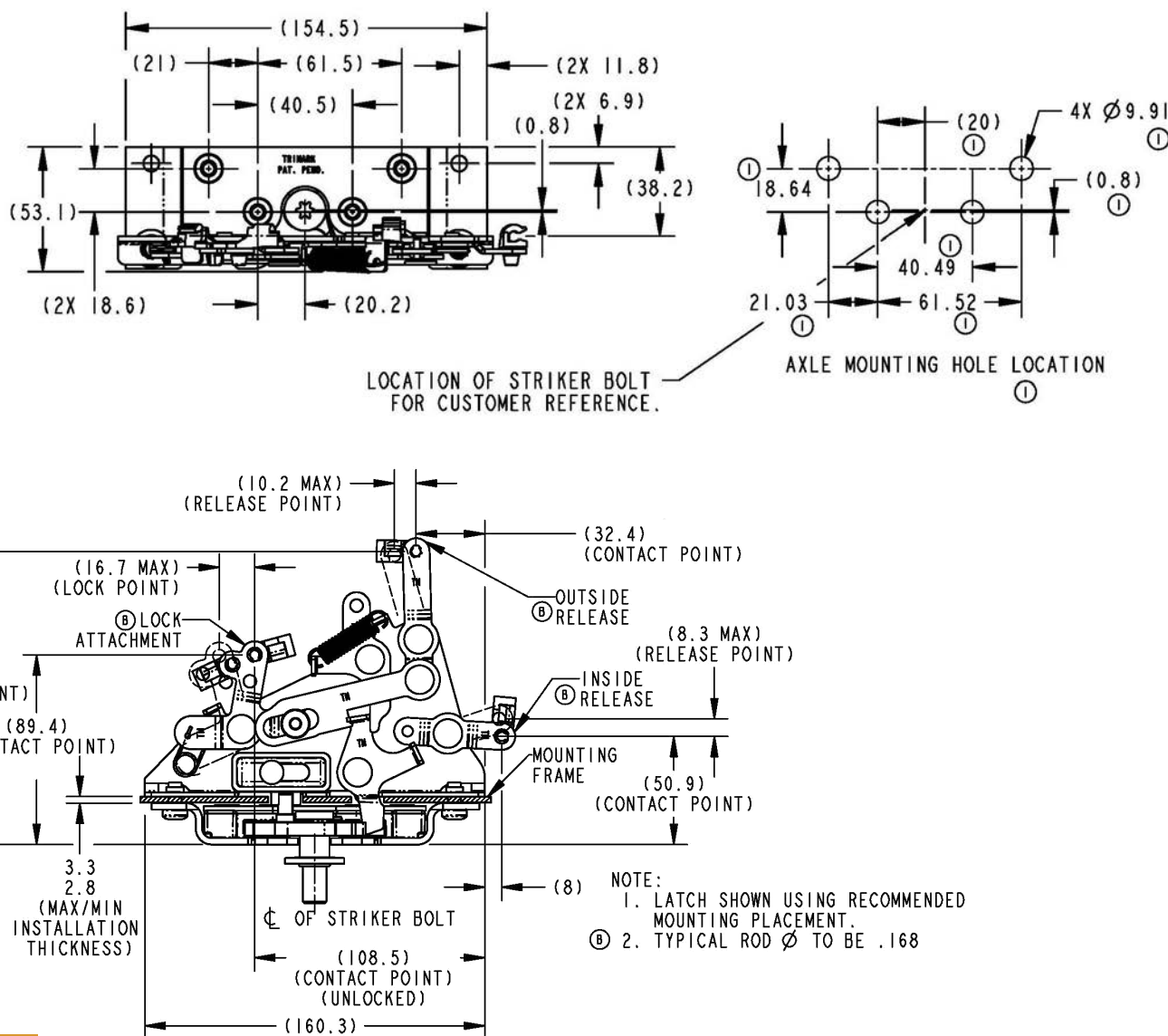
- Plastic encapsulated metal rotor and catch reduces friction and deadens the door closing sound
- Springs: non-corrosive stainless steel
- Case halves: high strength steel

INSTALLATION:

- Can be mounted inside or outside of door edge
- Four 1/4-20 UNC grade 5 or M6 X 1 class 8.8 or better fasteners are recommended (not included)
- Tighten to the manufacturers' recommended torque value, however, do not exceed 72 in-lbs. (8 N-m)

U.S. Patent No. 6,494,506 / 6,695,361

Note that the 050-0810 Single Rotor Latch complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



050-0850 TriGuard Heavy Duty Latch Module With Slam Cam Option

This heavy duty latch module is designed for medium to heavy-duty armored vehicle entrance and rear door applications. It features a proven single rotor latch design and high strength 8 gauge (4.2mm) front mounting plate with flange mounting

- Medium to heavy duty doors of 23-91 kg (50-200 lbs.) with door seal pressures of 23-60 kg (50-150 lbs.)
- Use with TriMark 070-0201 Striker Bolt

FEATURES/BENEFITS:

- Heavy duty modular construction — survives in punishing environment
- Can be used on retrofit, up-armour applications or new surface mount vehicle construction
- Heavy duty latch/striker provides rotor/cam assist to heavy doors/armour, hinges and compensates for door sag

AVAILABLE:

- Right or left hand configurations (right hand shown)
- Replaceable striker alignment lift blocks
- Custom configured release levers
- Striker with self-aligning “slam cam”

FINISH:

- Zinc plated, clear chromate steel components

MATERIAL:

- Case halves are high strength steel
- Springs are non-corrosive stainless steel

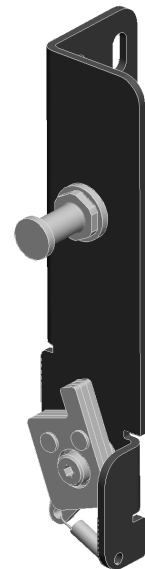
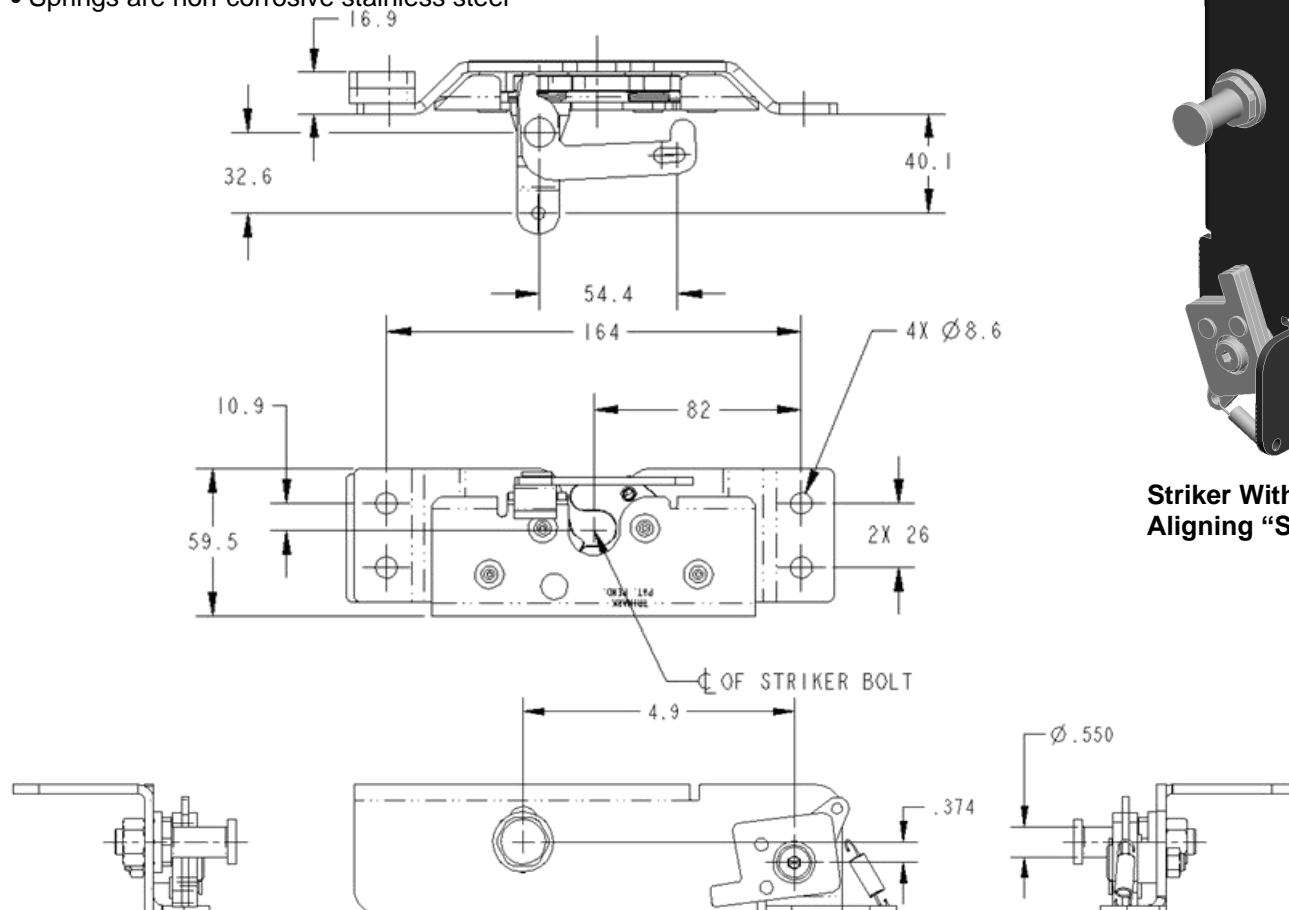


INSTALLATION:

- Four M8 X 1.25 class 8.8 or better fasteners are recommended (not included)
- Tighten to the manufacturers' recommended torque value

U.S. Patent No. 7,938,458

Note that the 050-0850 TriGuard Heavy Duty Latch Module With Slam Cam complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



Striker With Self-Aligning “Slam Cam”

This product is designed for light to medium duty compartment doors, access panels and hoods for off-highway vehicle applications. The single rotor latch offers robust construction and compact size for a very cost effective price.

- Compact size
- Use with 8mm diameter striker or standard bar stock
- Mounts with (2) M8 fasteners (not included)

- Single handed configuration
- Single position rotary style latching function
- Direct or remote release actuators available
- Direct actuation - via tool drive 13mm hex with slot
- Remote actuation - via 4.5mm diameter hole on catch

- Installed with (2) M8 fasteners (not included)
- Tighten to the manufacturers' recommended torque value
- Dual mounting faces



- Actuator: stainless steel
- Springs: non-corrosive stainless steel
- Rotor and catch: hardened carbon steel

Technical drawing of the TRIMARK 21741-XXX device. The drawing shows the front view of the device with various dimensions and components labeled.

Dimensions:

- Top horizontal dimension: 10.0
- Top horizontal dimension: 80.0
- Top horizontal dimension: 9.0
- Left vertical dimension: 32.5
- Bottom vertical dimension: 9.0
- Bottom vertical dimension: 17.5

Components and Labels:

- TRIMARK 21741-XXX
- Two circular components with a crosshair symbol (+) inside, located on the left and right sides of the device.
- A central component with a crosshair symbol (+) inside, located below the TRIMARK label.
- A small rectangular component located below the central component.

050-1600 TriGuard Heavy Duty Single Rotor Latch

This latch is designed for medium to heavy-duty vehicle entrance and rear door applications. It features a proven single rotor latch design, high strength 8 gauge (4.2mm) front mounting plate and robust straddle mount release lever. The slim design mounts into 2.00" (50.8mm) doors and retrofits competitive single rotor wedge style rotary latches

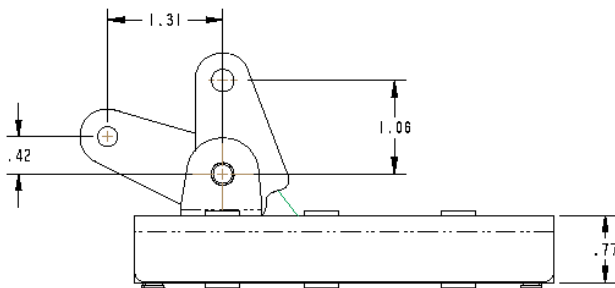
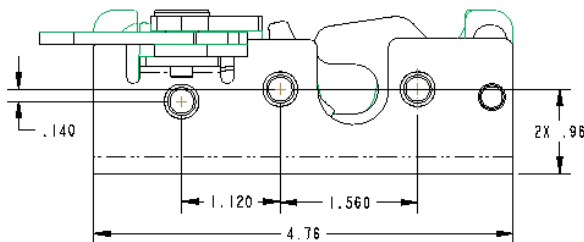
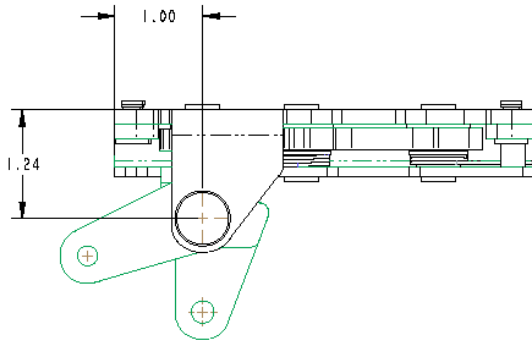
- Medium to heavy duty doors of 23-91 kg (50-200 lbs.) with door seal pressures of 23-60 kg (50-150 lbs.)
- Use with TriMark 070-0201 Striker Bolt

FEATURES/BENEFITS:

- Heavy duty modular construction — survives in punishing environments
- Can be used on retrofit or new surface mount vehicle construction
- .550 (13.9mm) diameter striker bolt

AVAILABLE:

- Right or left hand configurations (left hand shown)
- Custom configured release levers
- Other mount options (please inquire)
- Heavy duty latch/striker provides rotor/cam assist to heavy doors, hinges, and compensates for door sag



MATERIAL:

- Case halves: high strength steel
- Springs: non-corrosive stainless steel
- Rotor and catch: heat treated high strength steel with dry lube coating

FINISH:

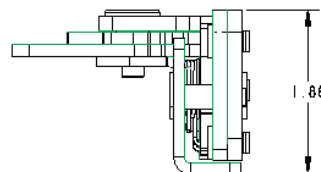
- Standard: RoHS compliant zinc plated, clear chromate steel components
- Optional: powder coated or CARC finish in custom colors

INSTALLATION:

- Three M8 x 1.25 class 8.8 or 5/16-18 UNC grade 8 or better fasteners are recommended (not included)
- Tighten to the manufacturers' recommended torque value

Patent Pending

Note that the 050-1600 TriGuard Heavy Duty Single Rotor Latch complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



060-0100 Plunger Bolt

This latch was designed for lightweight compartment and access doors for on or off-highway equipment where low cost slam action latching with L handle actuation is desired. It features a robust steel plunger bolt for durability and a base mount that allows for ease of installation

FEATURES/BENEFITS:

- Minimal door seal pressures
- Easily installed using your choice of mounting fasteners (not included)
- Slotted mounting holes for easy adjustment (mounting surface must be completely flat)

AVAILABLE:

- In left or right-handed configurations (right-hand shown)
- 90° or 20° orientation of 5/16" square drive bar opening

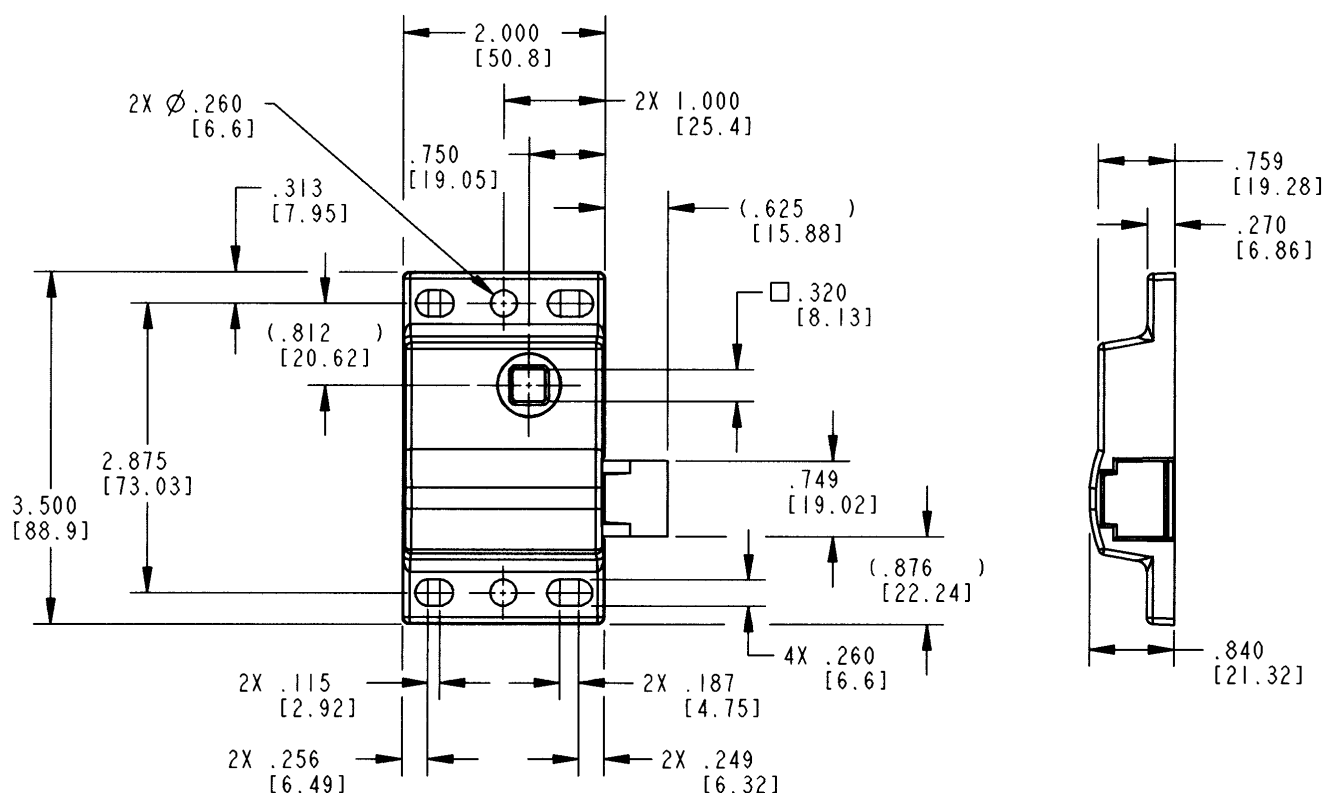


FINISH:

- Mill--unplated
- Zinc plated
- Black powder coated

MATERIAL:

- Housing: die cast zinc alloy
- Plunger bolt: powder metal/steel
- Back plate: zinc plated steel



060-0500 Plunger Bolt

This latch was designed for small compartment and access doors where low cost slam action latching is desired. It features a plastic plunger bolt for ease of closing/opening and is available with rod collars and a direct release knob for installation and ease of use.

FEATURES/BENEFITS:

- Unique, economical, single piece cover design
- .625" (15.87mm) allowable travel
- Low operating efforts
- Corrosion resistant
- Slotted mounted holes for ease of installation
- Precision placed mounting holes allow pre-drilling of holes in mating parts
- Optional inside release feature
- Non-metallic plunger bolt
- Optional collar and setscrew for easy rod attachment and adjustment

FINISH:

- Cover and link - zinc plated with clear chromate conversion coating
- Collar - clear chromate dip

MATERIAL:

- Cover and link: cold rolled steel
- Plunger bolt: black nylon
- Collar: zinc die cast alloy



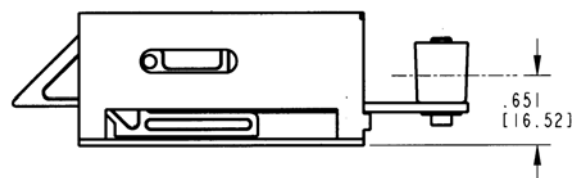
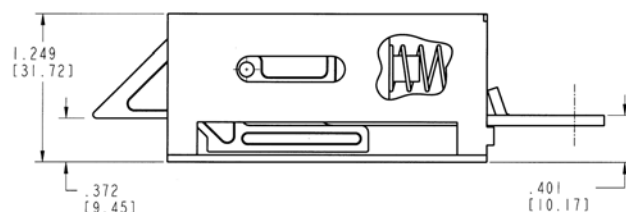
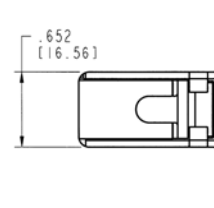
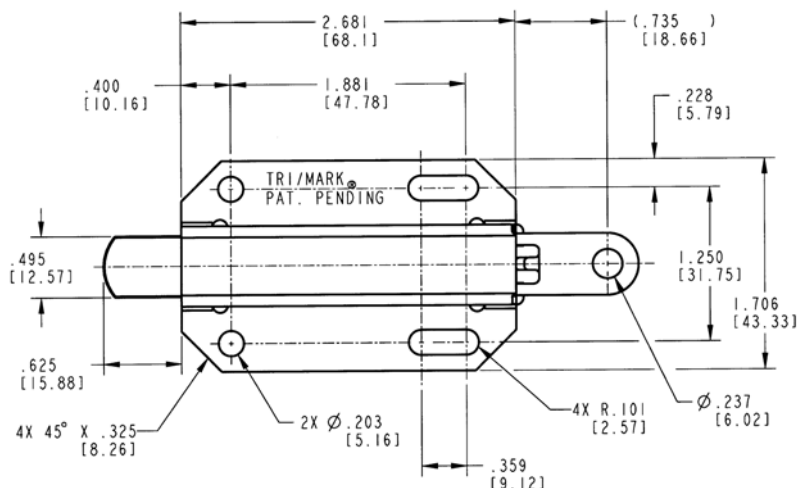
INSTALLATION:

- Recommended use of #10-24 or #10-32 type D, F, G, or T thread cutting, self-threading screws (not included)

AVAILABLE:

- With or without collar and setscrew as shown below (please inquire)
- Operated with cables or rods
- Custom rods up to .219 diameter (5.4mm)
- Optional nose configurations available (requires tooling)

Note: Rod collars are not intended or recommended for use in applications that require FMVSS 206 compliance or applications that have heavy or extreme striker bolt loads (> 25 lbs. / 11 kg) and/or high to extreme usage (> 100,000 door cycles/life).



As Shown With Die Cast Collar

060-0900 Recessed Mount Plunger Bolt

This latch was designed for small compartment and access doors where low cost slam action latching is desired. It features a plastic plunger bolt for ease of closing/opening and a flange mount that allows for internal door mounting (recessed).

FEATURES/BENEFITS:

- .500" (12.7mm) allowable travel
- Low operating efforts
- Corrosion resistant
- Non-metallic plunger bolt
- Flange mount allows for internal door mounting (recessed)

FINISH:

- Black painted



MATERIAL:

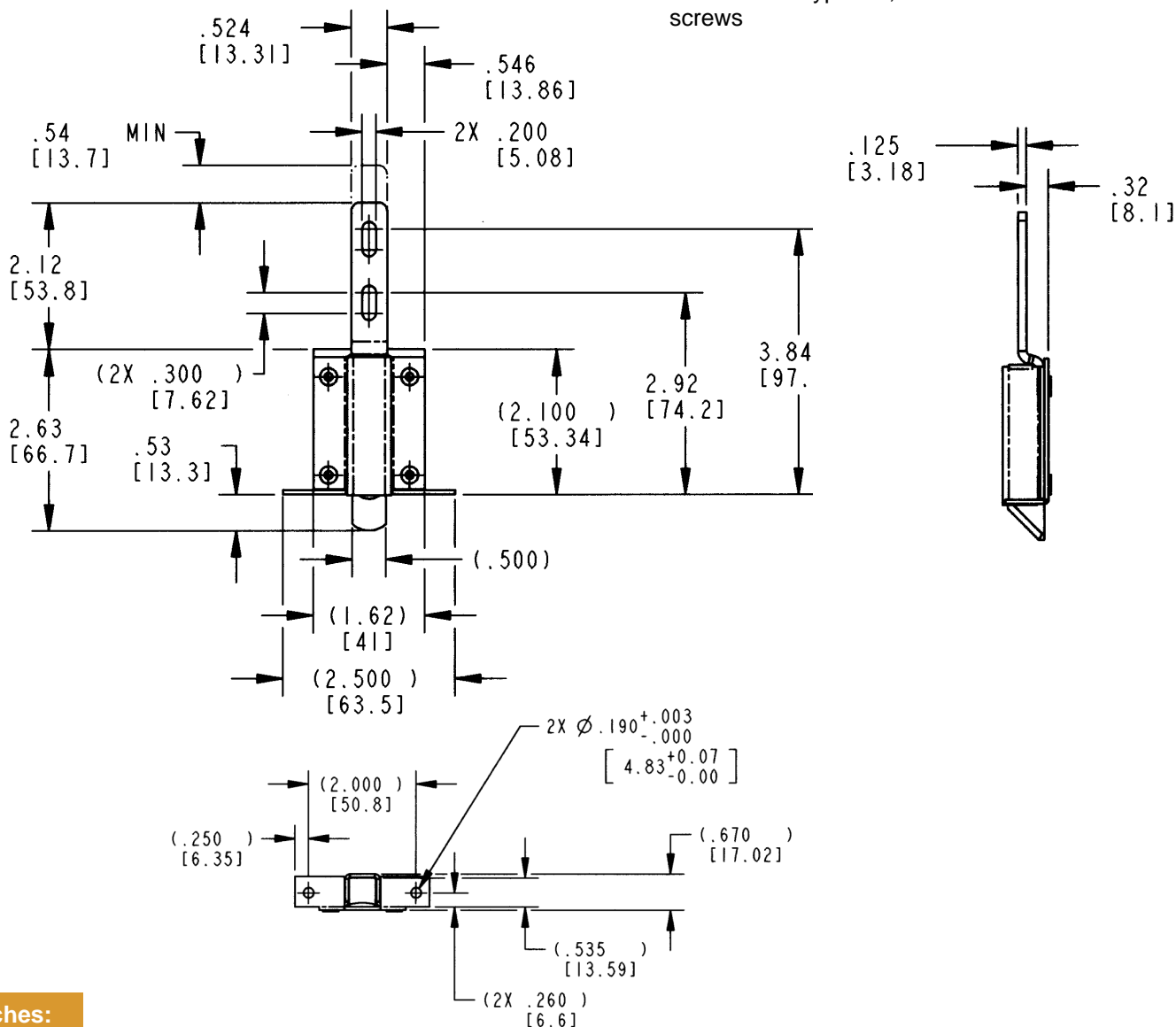
- Base, cover, slide: cold rolled steel
- Spring: stainless steel
- Plunger: nylon

AVAILABLE:

- Custom rods up to .188 diameter (4.5mm)

INSTALLATION:

- Recommended use of (2) 3/16 diameter (4.5mm) pop rivets or #12 type AB, B or BP steel thread forming screws



060-0901 Low Profile Plunger Bolt

This latch was designed for small compartment and access doors where low cost slam action latching is desired. It features a robust steel plunger bolt for durability and a base mount that allows for ease of installation.

- Light duty baggage doors
- Door weights up to 30 lbs. (13.6 kg)
- Door seal load up to 15 lbs. (6.8 kg)

FEATURES/BENEFITS:

- Plunger bolt retraction is independent of link
- .500" (12.7mm) allowable travel
- Low operating efforts
- Corrosion resistant
- Slotted mounting holes for ease of installation

FINISH:

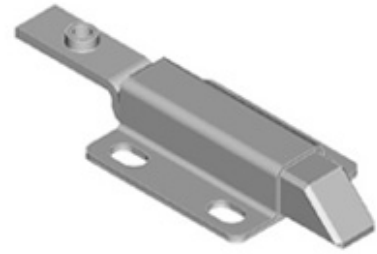
- Cover, link, plunger bolt - zinc plated with clear chromate conversion coating

MATERIAL:

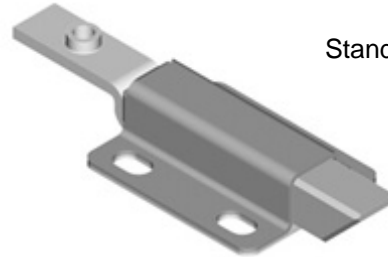
- Cover and link: cold rolled steel or 304 stainless steel
- Plunger bolt: powder metal
- Spring and base plate: stainless steel

INSTALLATION:

- Recommended use of 1/4-20 or M6 type fasteners



Standard Plunger Orientation

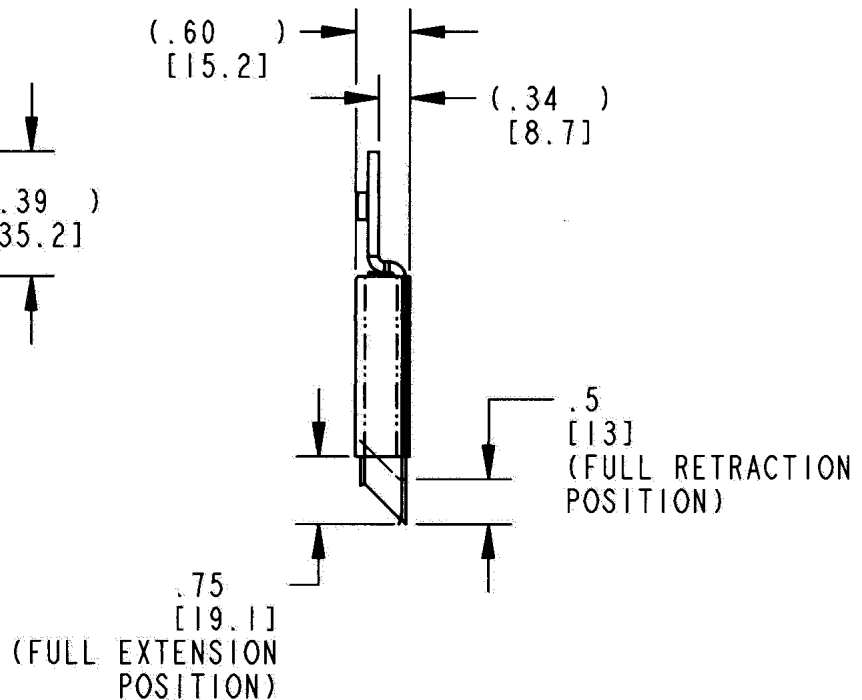
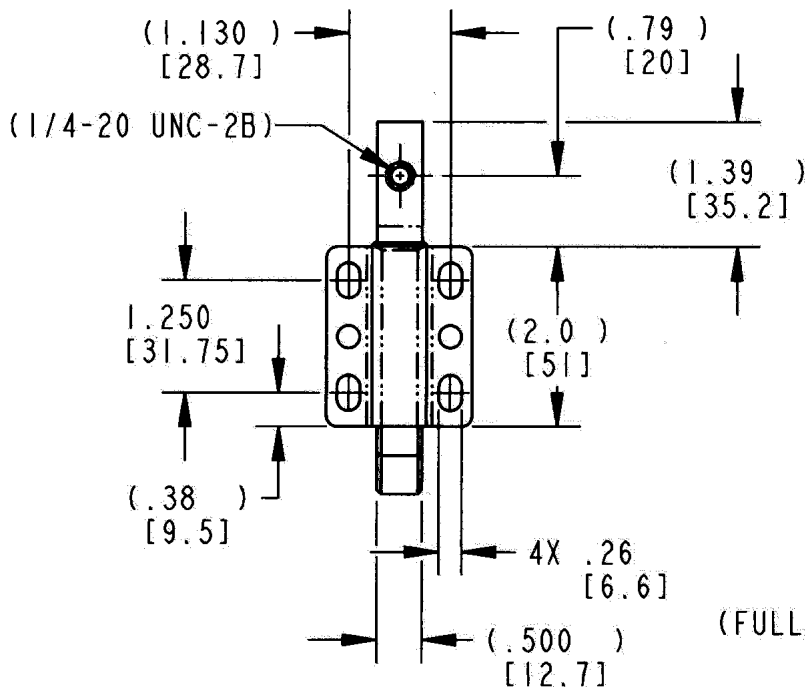


Reverse Plunger Orientation

AVAILABLE:

- Reverse plunger for inward swinging doors (please inquire)

Caution: Latch does not meet FMVSS 206 load requirements.



060-1200 RV Screen Door Latch

This product is designed for securing of screen doors for RV motor homes and travel trailers. It features sturdy die cast zinc construction for years of trouble free use.

FEATURES/BENEFITS:

- Dual function -- latch secures the screen door to the exterior door as well as the door jamb
- Allows for one hand operation with positive slam action latching function
- Low profile design will work with a wide variety of doors

AVAILABLE:

- Right hand and left hand versions (right hand shown)
- Door latch and strike are included for a total system solution

INSTALLATION:

- Easy to install with (6) #8 fasteners (included)

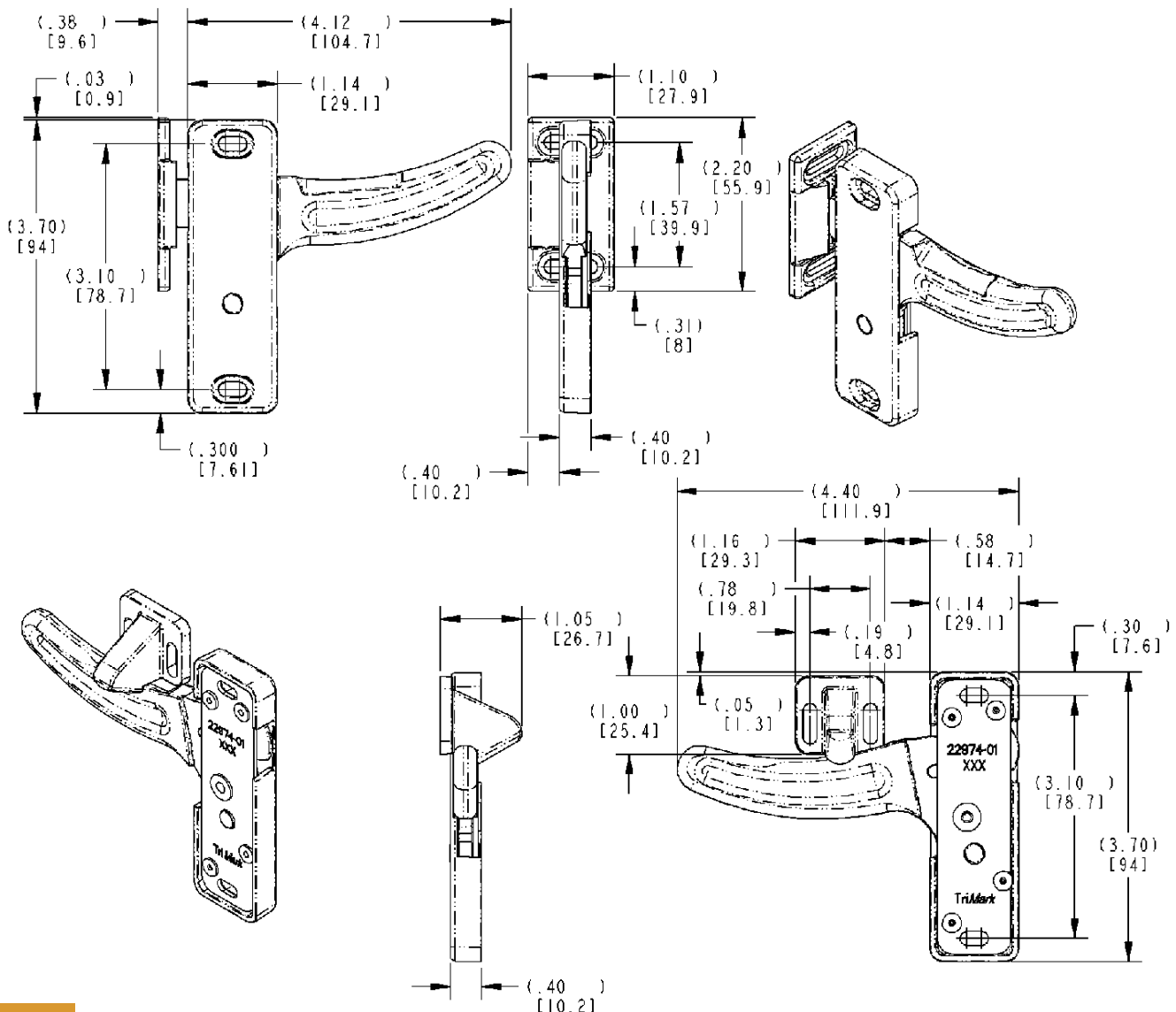


MATERIAL:

- Sturdy die cast zinc alloy
- Non-corrosive stainless steel spring
- Door strike and keeper—engineered plastic

FINISH:

- Black powder coated



060-I 300 Flush Mount Security Lock

This redesigned security lock is intended for recreational vehicle entrance doors including motor homes and travel trailers where it is advantageous to use a remote mounted security lock. It features a serviceable KeyOne™ Plus lock cylinder and provides for easier installation.

- Entrance door applications in travel trailers and motor homes with thicknesses of 1-1/2" (38.1mm) to 2-1/2" (63.5mm)

FEATURES/BENEFITS:

- Can be mounted on either hollow or solid core door on travel trailers and motor homes
- Universal round design allows for use on left or right hand doors
- Dead bolt locks into the fully extended position for true dead bolt functioning
- Adaptable to powerlock actuation
- KeyOne™ Plus lock allows for serviceable lock cylinder

AVAILABLE:

- Keyed random with 100 key codes
- Standard 5-1/2" (139.7mm) backset
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking



INSTALLATION:

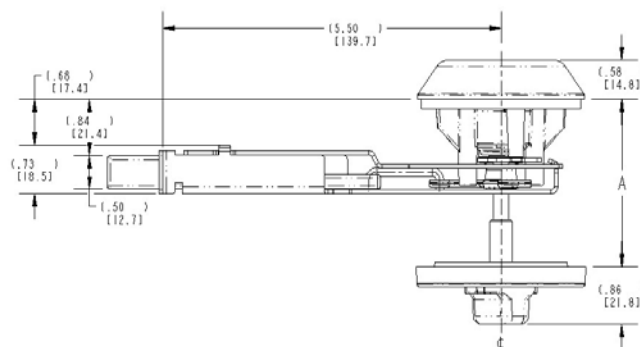
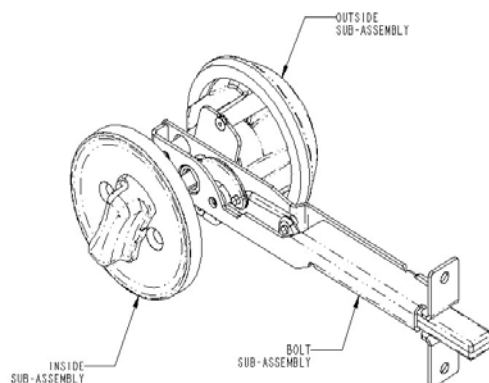
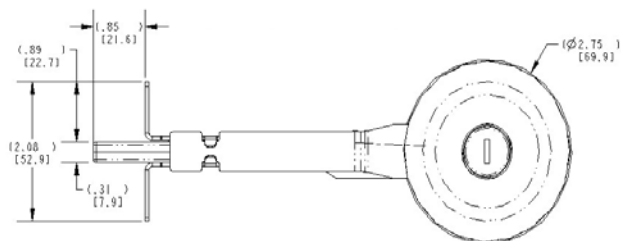
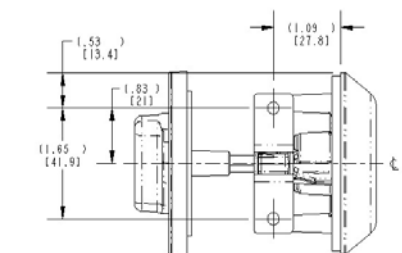
- Security lock sub-assemblies (3) are easy to install with supplied fasteners
- Supplied with gasket already applied under recess in housing flange for simple, clean installation

MATERIAL:

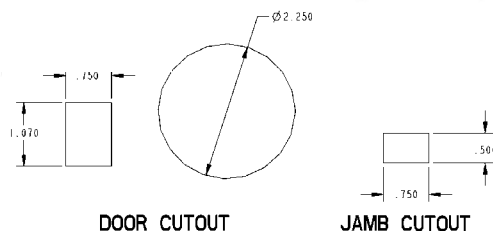
- Interior/exterior housing, lock knob and deadbolt - die cast zinc alloy
- Stamped steel deadbolt carrier

FINISH:

- Black powder coated and chrome
- Zinc plated clear chromate steel components
- Additional colors and finishes available - please inquire



DOOR THICKNESS DIMENSION "A"
1.50 [38.1]
2.00 [50.8]
2.50 [63.5]



Latches:
Dead Bolt

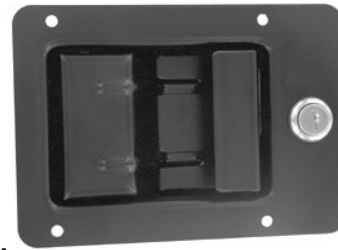
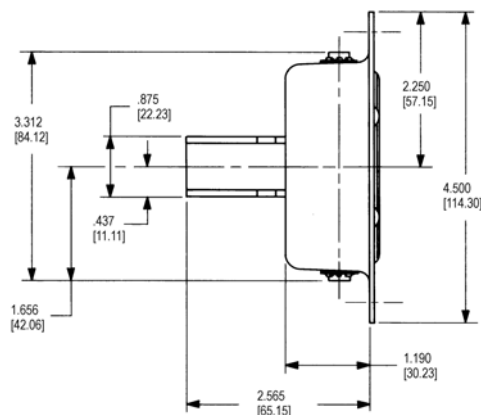
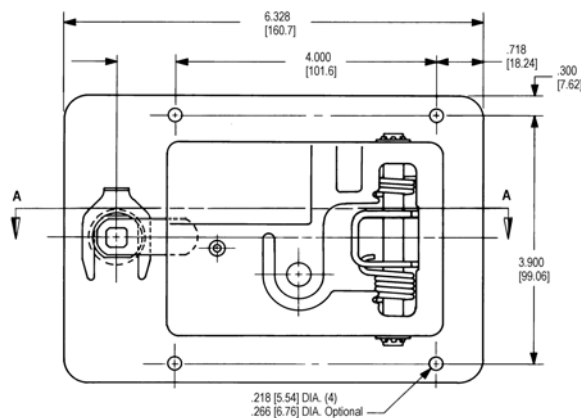
030-0500 Pivoting Catch Compartment Latch

This latch was specifically designed for storage and compartment doors for off-road vehicles including agricultural and construction equipment and industrial enclosures. It features a pivoting hook latching design and a reverse paddle design that is suited for top hinged doors and resistance to the insertion of foreign objects.

- Service and utility truck body doors
- Electrical switch and transformer boxes

FEATURES/BENEFITS:

- Pivoting catch allows relative movement between the door and frame when the vehicle frame flexes
- Components are spring loaded internally to minimize effects of vibration
- Reverse paddle design of the compartment latch is suited for top hinged doors and provides resistance to insertion of foreign objects
- Two levels of performance/duty: the heavy duty version (030-0550) provides a higher level of resistance to vibration and wear



AVAILABLE:

- Key locking - keyed alike with most common key codes to match paddle actuators used for operator enclosures
- Non-locking
- Padlockable for increased security
- Optional hole patterns

MATERIAL:

- All steel reinforced construction

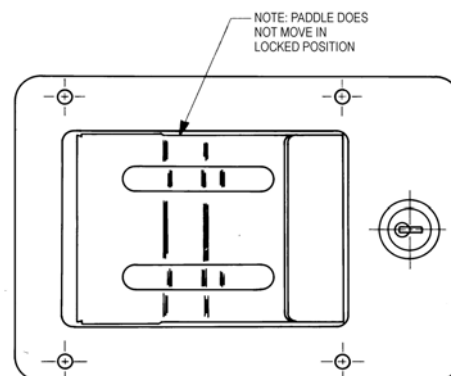
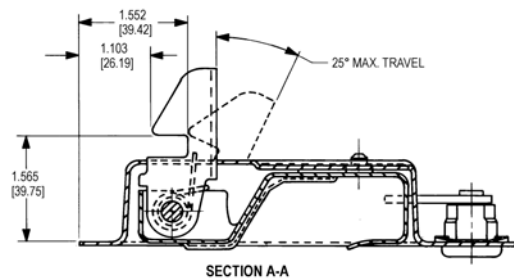
FINISH:

- Zinc plate, clear chromate conversion coat for maximum paint adhesion and resistance to rust
- Black powder coat

INSTALLATION:

- Lock cylinder may be installed after the latch has been assembled into the door and painted
- Four 3/16" M4 diameter steel "pop" rivets or 1/4-20 M6 screws (not included)

Caution: Latch does not meet FMVSS 206 load requirements.

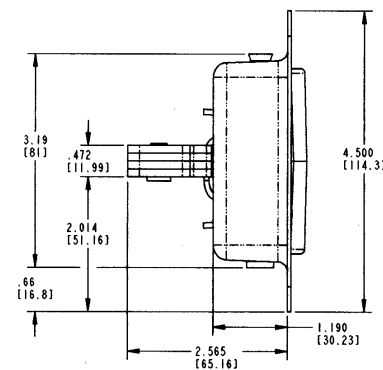
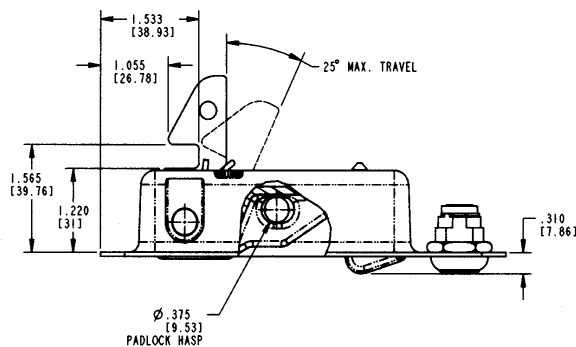
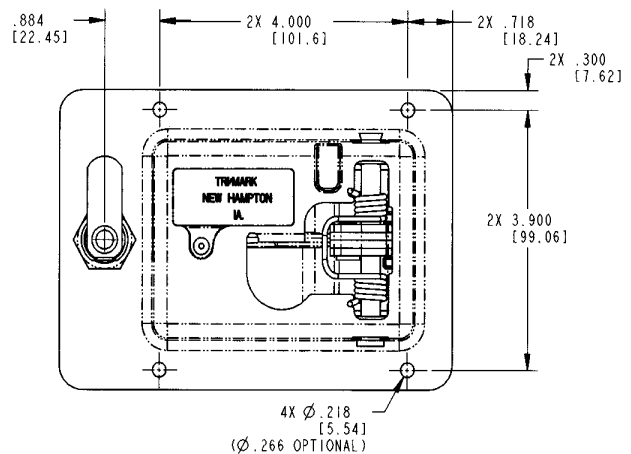
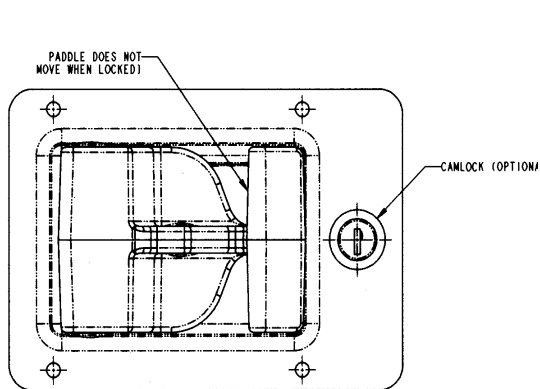
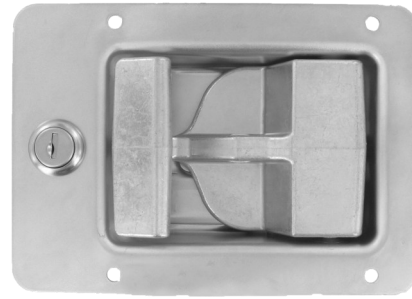


030-0550 Heavy Duty Pivoting Catch Compartment Latch

030-0550 FEATURES:

- The high strength steel laminated hook resists wear and increases strength
- Heavy duty zinc die-cast paddle resists deformation
- Retrofits the same cutout as the 030-0500 Pivoting Catch Compartment Latch

Caution: Latch does not meet FMVSS 206 load requirements.



030-0600 Rotating Catch Compartment Latch

DESIGNED FOR:

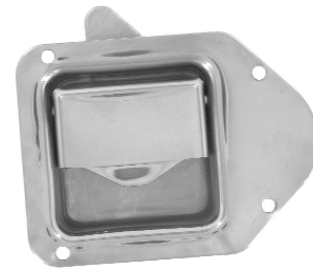
- Single lid or gull wing cross bed tool boxes or similar storage boxes and lockers

FEATURES/BENEFITS:

- Simplified design allows for easy opening and closing force that does not require opening the paddle before closing the lid
- When locking latch is in the locked mode and connected remotely, other latch will be inoperable

AVAILABLE:

- Non-locking or locking versions available with up to 10 different key codes with shuttered keyway
- Two standard mounting hole patterns
- Optional neoprene foam gasket is available for under the flange of housing
- Supplied cam lock can be packaged unassembled or assembled to the latch with a clip or nut depending on cutout and panel thicknesses



FINISH:

- Black powder coated
- Buffed and polished stainless steel

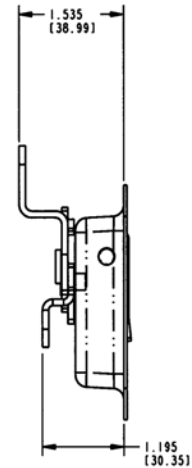
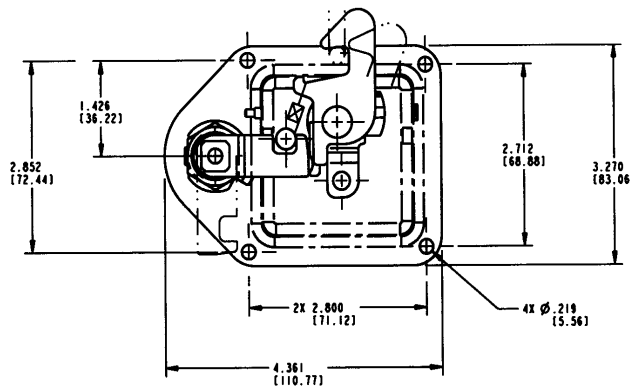
MATERIAL:

- Housing and paddle: 300 Series Stainless Steel
- Mild steel is also available

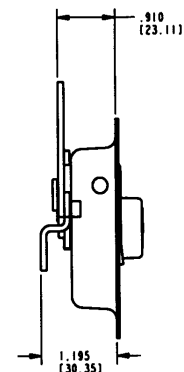
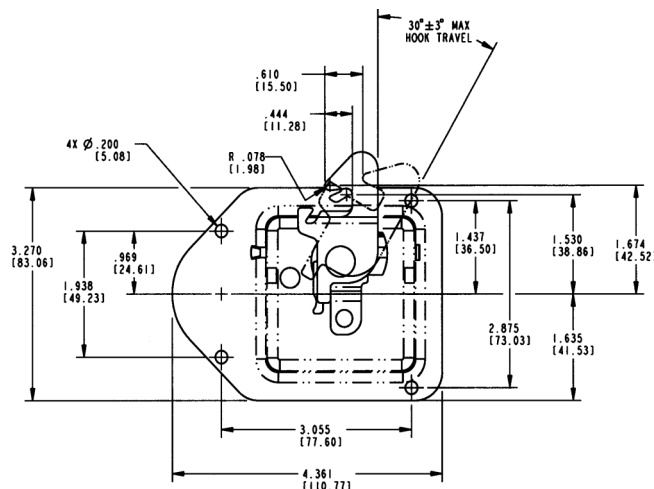
INSTALLATION:

- Mounted with 3/16" M4 diameter pop rivets or screws
- Adjustable rod package

LOCKING ASSEMBLY SHOWN WITH OFFSET HOOK AND OPTIONAL HOLE PATTERN



NON-LOCKING ASSEMBLY SHOWN WITH FLAT HOOK AND STANDARD HOLE PATTERN



050-I 300 Plastic Slam Latch

TriMark's 050-1300 Plastic Slam Latch is designed to secure a variety of storage, compartment and access doors. The robust construction and compact size at a very cost effective price makes it a great choice for light duty compartment door applications.



FEATURES/BENEFITS:

- Slam action latch is non-handed
- Small size will work in a variety of small compartments and applications
- Simple, cost-effective latch offers an alternative to standard rotary latches
- Operation - dual plungers allow the rod to enter into the latch as normal slam action, then the rods must be retracted to allow for the release
- Reduced operating efforts under load
- Reduced operating noise and rattle when compared to zinc/steel products
- Engineered plastic withstands corrosion and has a lower coefficient of friction, reducing closing and operating efforts
- Striker diameter –.375 (9.5mm)

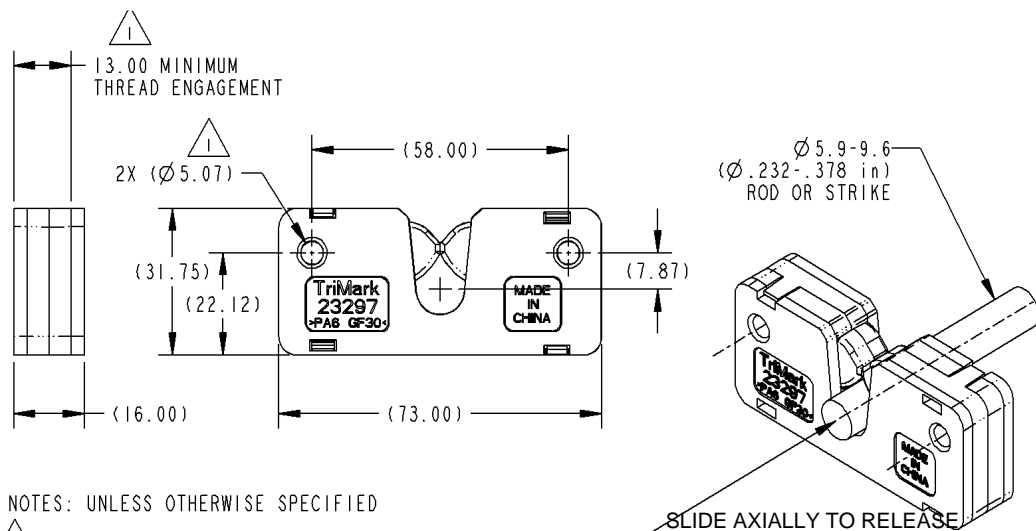
INSTALLATION:

- Easy to install with two (2) M6 thread forming fasteners (available) or two (2) M4 bolts (not included)

MATERIAL:

- Engineered injection molded plastic
- Non-corrosive stainless steel springs
- Internal cold rolled stamped steel reinforcement plate (zinc plated, clear chromate)

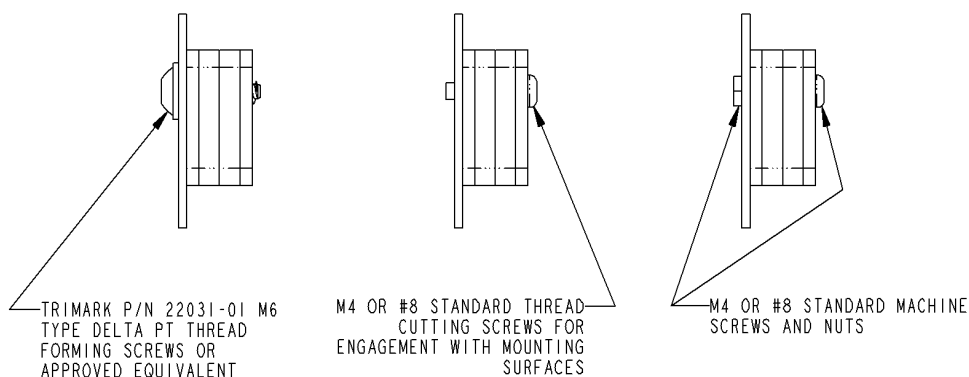
Caution: Latch does not meet FMVSS 206 load requirements.



NOTES: UNLESS OTHERWISE SPECIFIED

1. RECOMMENDED MOUNTING WITH M4 OR #8 STANDARD THROUGH BOLTS OR TRIMARK P/N 22031-01 M6 TYPE DELTA POINT THREAD FORMING SCREWS OR APPROVED EQUIVALENT WITH 13.00mm MINIMUM THREAD ENGAGEMENT

MOUNTING OPTIONS



080-0200 Lever Style Compression Latch

This product is designed for light to medium duty compartment doors, access panels and hoods for off-highway vehicle applications. This heavy duty lever action fixed grip compression latch offers a long lever handle for increased door closing leverage, simplicity of operation and comfortable grip

FEATURES/BENEFITS:

- Robust design provides long lever handle for increased door closing leverage, simplicity of operation and comfortable grip in heavy duty applications
- Double cam design works with strikers up to 10mm in diameter providing a high level of resistance to vibration and wear
- Over-center action prevent accidental opening due to shock or vibration
- 4 mm compression dampens vibration and helps reduce noise and rattle
- Stylish handle cover provides a comfortable grip

AVAILABLE:

- Standard padlock hasp
- Key locking provision to add a cam lock for increased security



MATERIAL:

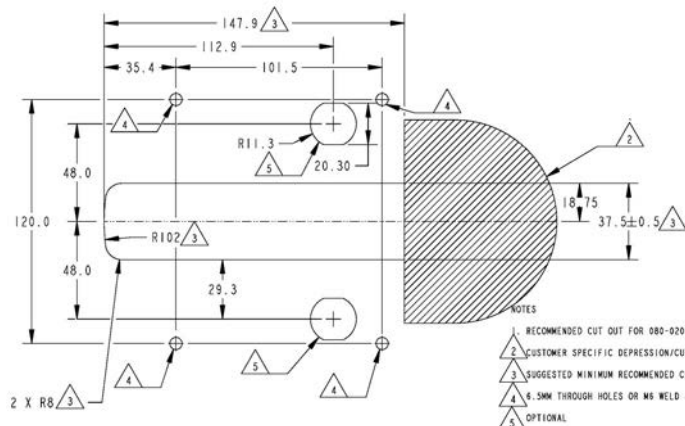
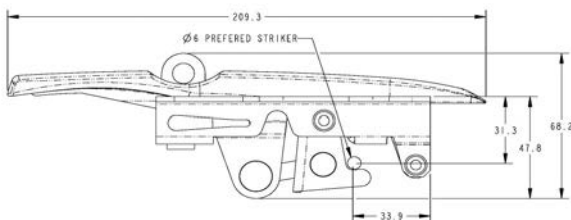
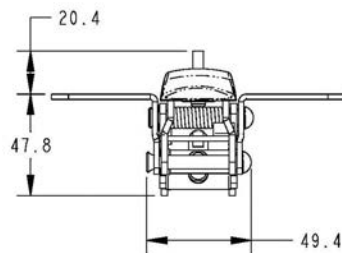
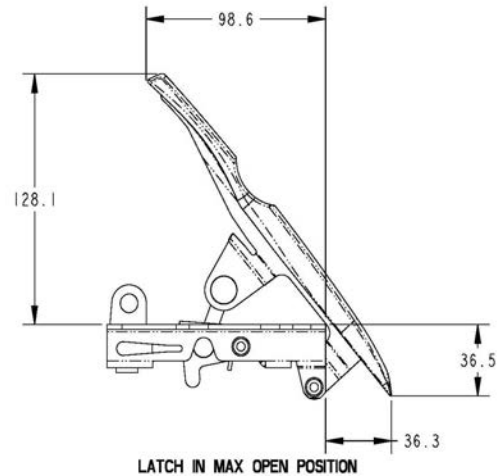
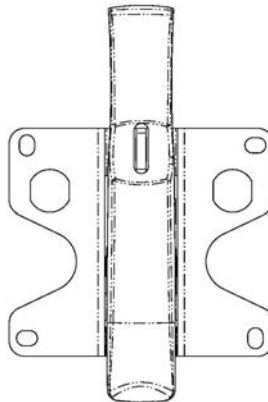
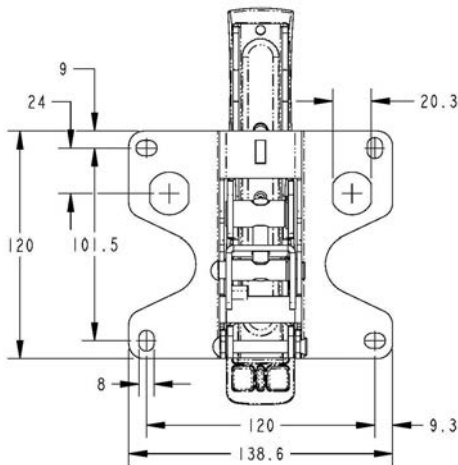
- Robust all steel reinforced construction
- Handle cover: black engineered plastic
- Springs: non-corrosive stainless steel

FINISH:

- Zinc plated steel components with black chromate

INSTALLATION:

- Four M6 or 1/4 in. fasteners (not included)
- Latch mounts from inside of door panel
- Lock cylinder may be installed after the latch has been assembled into the door



Latches: Compression

080-0400 CompOne™ Compression Latch

This compression lock is a redesign of the popular TriMark West Alloy brand 6680. Featuring 5mm of compression with a 180° turn of the key, this robust lock is intended for gasketed doors, is fully adjustable, water resistant and easy to install.

- Light to medium on or off-highway panel and compartments where door gaskets require a compression lock to pull-in for a firm seal

FEATURES/BENEFITS:

- The KeyOne™ Plus locking system allows the operation of multiple onboard locking hardware with a single key or the option to key differently
- Key-operated compression lock provides 5mm of compression with 180° turn of the key, helps reduce or eliminate noise and rattles caused by vibration.
- Internal and external gasket resists water infiltration through the door
- Cam mounting allows for 8mm (.315 in.) adjustment and cams are rotatable in 45° increments

AVAILABLE:

- With various fixing kits consisting of mounting gasket, panel nut, anti-vibration mount washer, 2 cam nuts/washers and standard cam
- Special cams are available upon request
- Non-locking thumb turn and 7mm square drives are available in sturdy die cast zinc alloy with either low gloss black and chrome finish. Operation is smooth with detent rotation in latched and unlatched positions. Other tool drives are available upon request.



MATERIAL:

- Sturdy die cast zinc alloy
- Fixing kits: steel

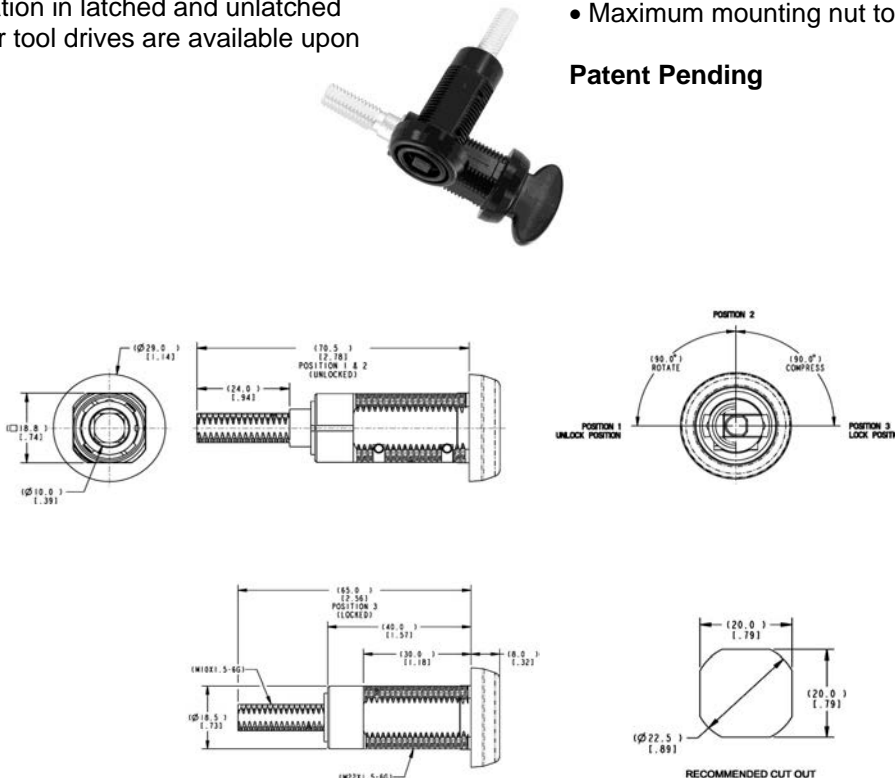
FINISH:

- Head: black chromate or chrome plated
- Steel components: zinc plate and clear chromate conversion coat

INSTALLATION:

- The product installs easily in a panel with supplied panel nut and vibration washer through a single mounting hole
- Panel thickness range up to 22mm (.866 in.)
- Maximum mounting nut torque 30 N-m (22.1 Lbs-Ft)

Patent Pending



080-0500 Grapple Style Compression Latch

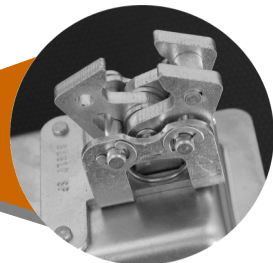
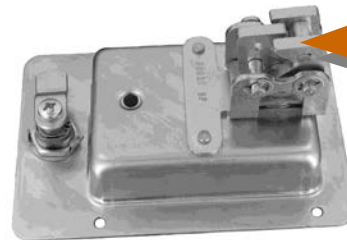
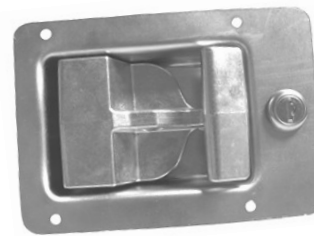
This grapple style compression latch is designed for compartments, access panels and hoods for off-highway vehicle applications that are subject to high vibration loads. Offering 6mm of compression, the 3 robust opposing jaws work with a striker diameter of .375 (9.5mm), providing a high level of resistance to vibration, shock and wear.

FEATURES/BENEFITS:

- Its use in gasketed applications meets requirements for environmental sealing, noise and airflow management
- Sealed housing provides for minimal intrusion of dirt and water
- Easy to install the product offers the same look and mounting pattern as the popular 030-0500/0550, offering customers a heavy duty product upgrade
- Intuitive open and close actuation does not require a turning operation
- Handle provides over-center action and remains up (flagged) when latch is open providing clear open/closed status

AVAILABLE:

- Locking options include a standard padlock hasp with key locking provision to add a cam lock for increased security or keyed alike to common lock codes to match paddle actuators used for operator enclosures
- Non-locking
- Optional mounting hole patterns



MATERIAL:

- Handle: sturdy die cast zinc
- Latch and housing: steel reinforced construction

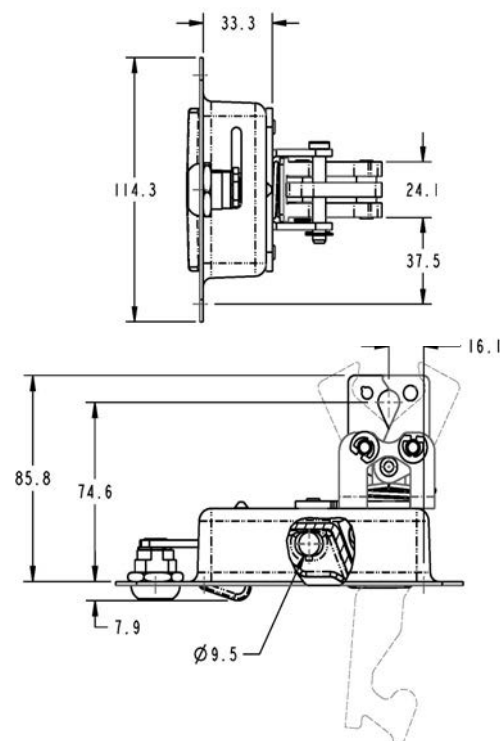
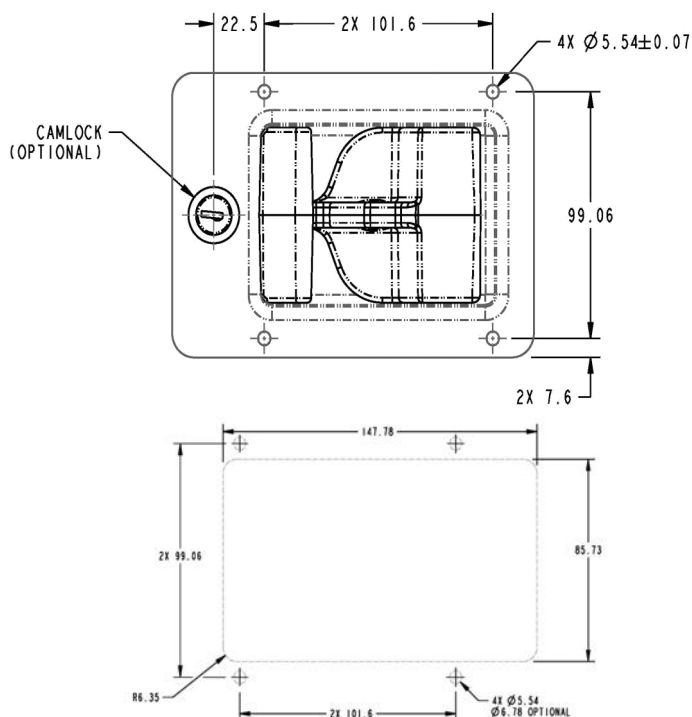
FINISH:

- Zinc plate, clear chromate conversion coat for maximum paint adhesion and resistance to rust
- Black powder coated

INSTALLATION:

- Lock cylinder may be installed after the latch has been assembled into the door and painted
- Four 3/16" M4 diameter steel "pop" rivets, 1/4-20 or M6 X 1 screws (not included)

U.S. Patent No. 8,770,635



080-0700 Light Duty Compression Hook Latch

This cost effective, light duty lever operated compression hook latch provides a secure over-center action to keep panels rattle free and secure. Designed for applications where the latch and keeper are surface mounted on the same plane, folding the handle lever down pulls mating in-line panels tight.

DESIGNED FOR:

- Light-duty off-highway panel and compartments where pull-in function and resistance to vibration loads are desired

FEATURES/BENEFITS:

- Easy to operate (ergonomics), folding the handle lever down pulls mating in-line panels tight
- Adjustable hook (20mm range) can engage around a pin (6mm diameter) or into a hole (17mm diameter minimum) in the cover
- Provision to add a small padlock for added security (5mm diameter shackle)
- Universal design is non-handed

MATERIAL:

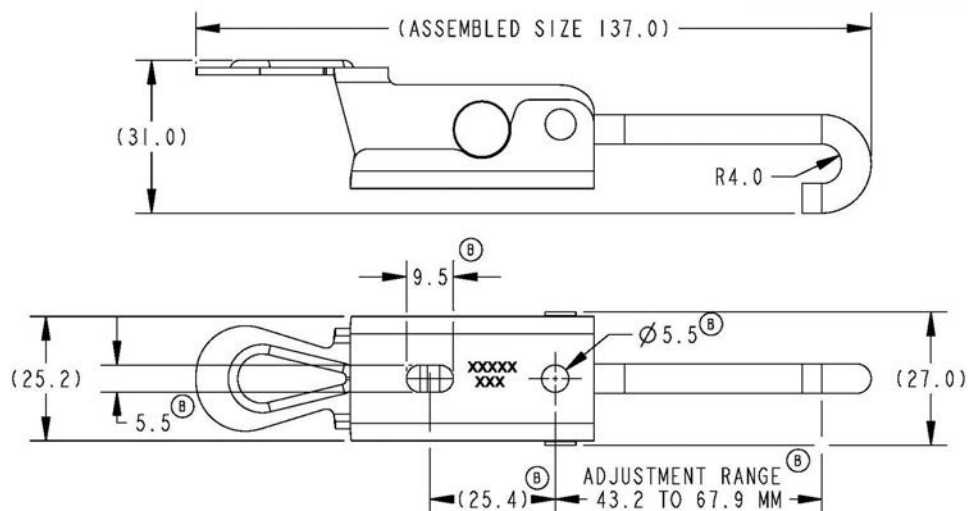
- Mounting base/lever handle/housing, hook: mild steel

FINISH:

- Zinc plate and clear chromate conversion coat

INSTALLATION:

- Installs easily with (2) M5 (No. 10) mounting fasteners (not included)



090-0500 / 090-0520 Window Hold-Open

This easy to operate window hold-open is designed for top and side hinged venting windows for on and off-highway vehicles. It features an over-center design that orientates the window at fully closed and fully open positions and an optional quick release pin.

- Mushroom window fixings designed for 5mm or 6mm glass thickness
- Non-handed style will work on windows in any orientation
- Easy to install with window fixings (optional)

AVAILABLE:

- With or without quick release pin

INSTALLATION:

- Installs through 18mm dia. hole

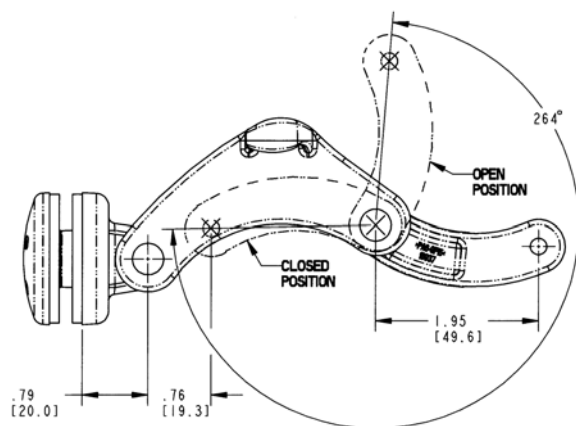
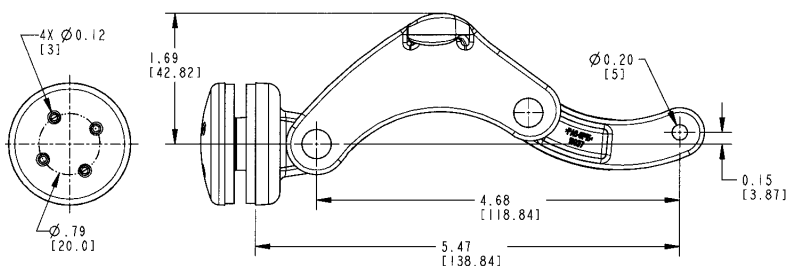
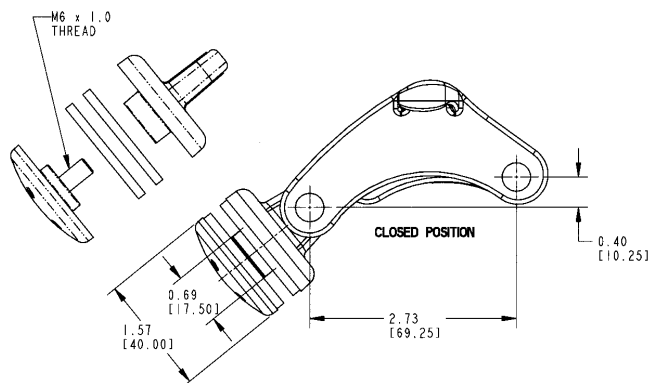
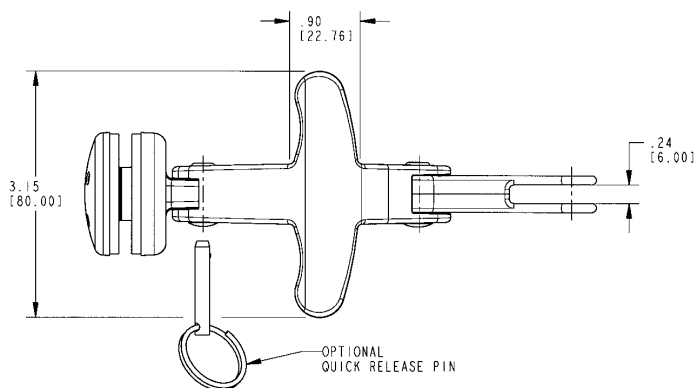
MATERIAL:

- Glass reinforced nylon (black)

U.S. Design Patent No. D443,809



090-0520 Window Hold-Open



090-0500 Window Hold-Open

This window hold-open is designed for top and side hinged venting windows for on and off-highway vehicles. It is available with over-center design (fully closed/fully open) or detented arm to position the window at intermediate positions and quick release pin.

I 30-0100 Dual Release Door Hold-Open

This product is designed for light to medium duty agricultural, construction personnel doors or any door that needs to be held in an open position. The simple rotating knob design allows for the door to be released from the open position from either the inside of the cab or from the ground level.

- Any application where it is desirable to hold or retain a hinged door in an open position

FEATURES/BENEFITS:

- Simple, easy to use, rotating knob/pin latch
- Engineered to withstand vibration, shock, dust, dirt and moisture
- Ergonomic knob design
- Two-stage lead in helps align the striker and receiver to compensate for door sag
- Universal design
- Rotating knob(s) allows for the door to be released from the open position from either the inside of the cab or from the ground level
- Durability in tough applications
- Easy to install
- Easily adaptable to a wide variety of door/cab configurations
- Fills a niche between the low cost “friction type” hold-opens and top end rotary and bayonet style products presently available



MATERIAL:

- Engineered plastic withstands corrosion and UV exposure and has a lower coefficient of friction, reducing closing and operation efforts
- Striker shroud is the thermoplastic rubber (TPR) to help absorb door shock loads

INSTALLATION:

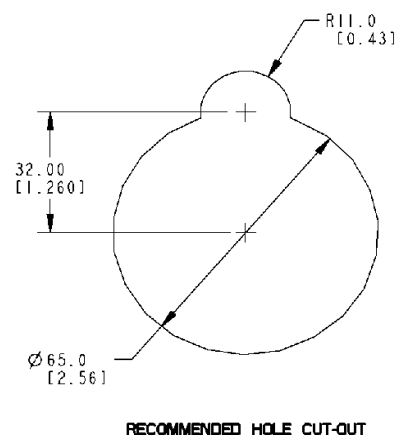
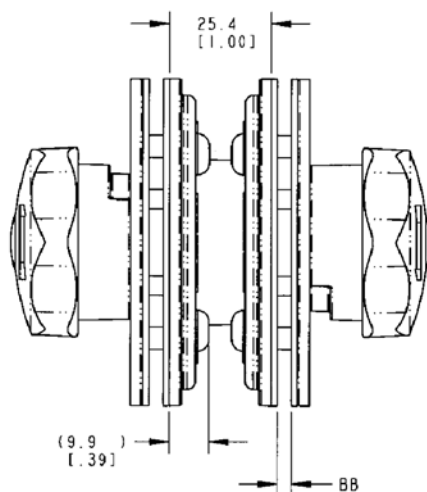
- Easy to install with special thread forming screws (included)
- Flange mounting and self adhesive gaskets (included) permits through glass mounting

AVAILABLE:

- With gasket options to adapt to a wide range of door/cab thickness (3mm-6mm [.118-.236])

U.S. Patent No. 6,357,078

Caution: Door hold-open is not designed to secure a door in the closed position and does not comply with FMVSS 206



130-0110 Single Release Door Hold-Open

This product is designed for light to medium duty agricultural, construction personnel doors or any door that needs to be held in an open position. Using the same simple rotating knob design as the 130-0100, the fixed receiver on this product provides a lower cost solution where release from inside the vehicle is not a requirement.

- The 130-0110 fixed receiver is designed for use with TriMark's 130-0100-01-XX Striker Assembly. This component provides for a lower cost solution for light to medium duty agricultural, construction or other equipment personnel doors that need to be held in an open position and where release from inside the vehicle is not a requirement

FEATURES/BENEFITS:

- New shroud design provides a means to absorb shock loads and provide door release
- Revised mounting provides easier installation and alignment
- Simple, easy to use, rotating knob/pin latch
- Engineered to withstand vibration, shock, dust, dirt and moisture
- Ergonomic knob design
- Two-stage lead in helps align the striker and receiver to compensate for door sag
- Universal design
- Durability in tough applications
- Easy to install
- Easily adaptable to a wide variety of door/cab configurations
- Fills a niche between the low cost "friction type" hold-opens and top end rotary and bayonet style products presently available



MATERIAL:

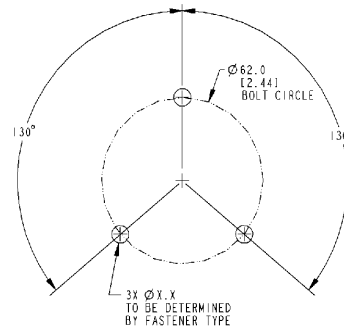
- Engineered plastic withstands corrosion and UV exposure and has a lower coefficient of friction, reducing closing and operating efforts

INSTALLATION:

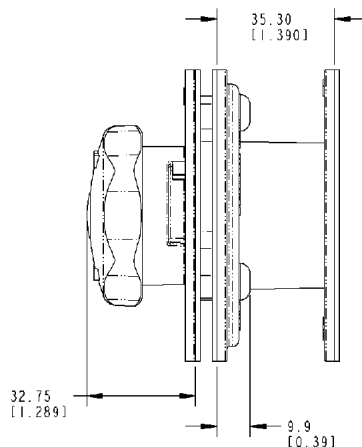
- Flange mounting and gasket (included)
- Easy to install with (3) M6 fasteners (not included)

U.S. Patent No. 6,357,078

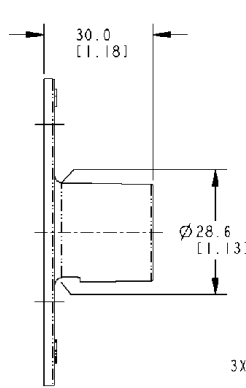
Caution: Door hold-open is not designed to secure a door in the closed position and does not comply with FMVSS 206



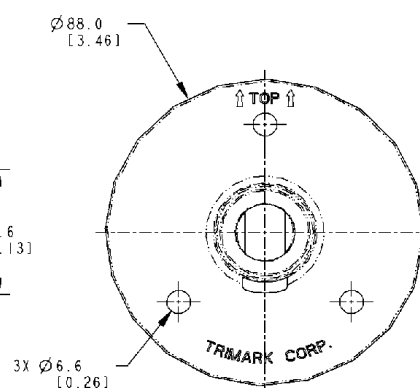
RECOMMENDED HOLE CUT-OUT
FOR THE RECEIVER



STRIKER / DOOR SIDE



RECEIVER / DOOR SIDE



FIXED RECEIVER

49

030-0175 Stamped Steel Compartment Latch

This compartment latch was designed for light to medium duty storage and compartment doors. Available in buffed stainless steel or plated mild steel, this product features an integrated rotary latch for ease of installation and use and is available in a power lockable version.

- On or off-highway vehicle applications
- Service and utility truck body doors
- Fire and rescue unit vehicles
- Most storage, compartment and access doors with latch and strike location at top or sides of door
- Door weights of approximately 75 lbs. (34 kg) or less
- Use with TriMark 070-0100 Striker Bolt
-

AVAILABLE:

- In locking or non-locking configurations
- Keyed alike
- Keyed random. 50 key codes available
- 2-point pivot plate for doors that require a 2-point latching mechanism (030-0185)
- Optional gasket for flange of housing is available to provide resistance to water and dirt infiltration
- Power lock actuation
- Customer logo on paddle (please inquire)

FINISH:

- Buffed and polished stainless steel
- Zinc plate clear chromate conversion coat over mild steel for maximum paint adhesion and resistance to rust



MATERIAL:

- Housing and paddle: 300 series stainless steel
- Mild steel also available on housing and paddle
- Other components: zinc plated, mild steel
- Internal latch components: case hardened, smooth edge stamped steel
- Stainless steel non-corrosive springs and rivets

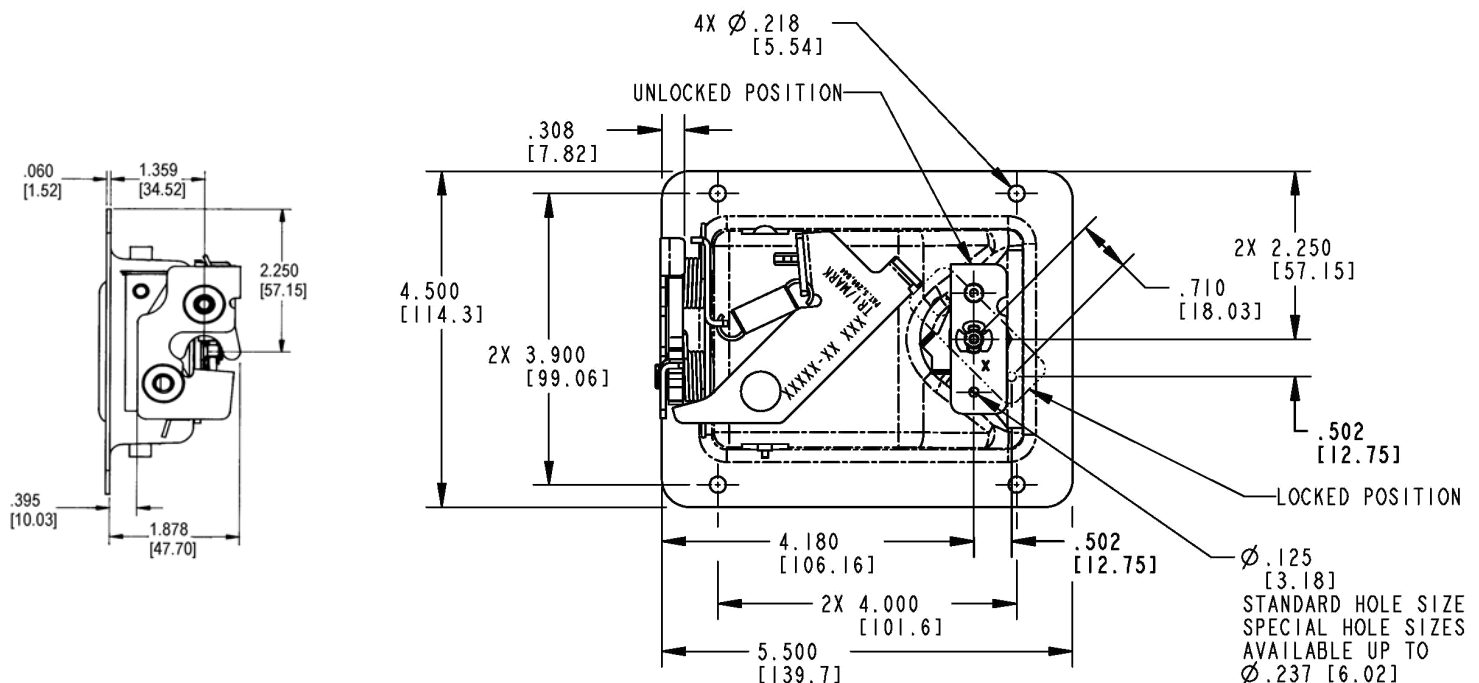
INSTALLATION:

- 3/16" (4mm) diameter fasteners
- Blind mount option also available
- Recommended door cut-out detail same as 030-0185 Stamped Steel 2-Point Paddle Handle

APPLICATION RECOMMENDATIONS:

- Striker bolt installation should allow for a minimum radial movement of .060 (1.524) for adjustment
- Rubber bumpers or door seals are recommended to reduce effects of vibration stress on door and latch system

Caution: Latch does not meet FMVSS 206 load requirements.



030-0185 Stamped Steel 2-Point Paddle Handle

This compartment latch was designed for light to medium duty storage and compartment doors. Available in buffed stainless steel or plated mild steel, this product features a 2-point bellcrank for remote actuation and is power lockable.

- On or off-highway vehicle applications
- Most storage, compartment and access doors with single or 2-point latch actuation

AVAILABLE:

- In locking or non-locking configurations
- Keyed alike
- Keyed random. 50 key codes available
- Optional gasket for flange of housing is available to provide resistance to water and dirt infiltration
- Power lock actuation



FINISH:

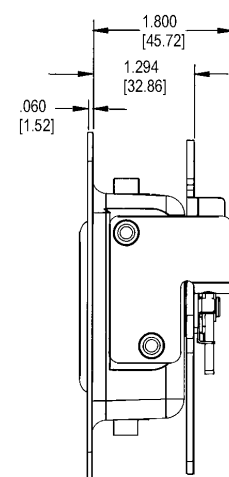
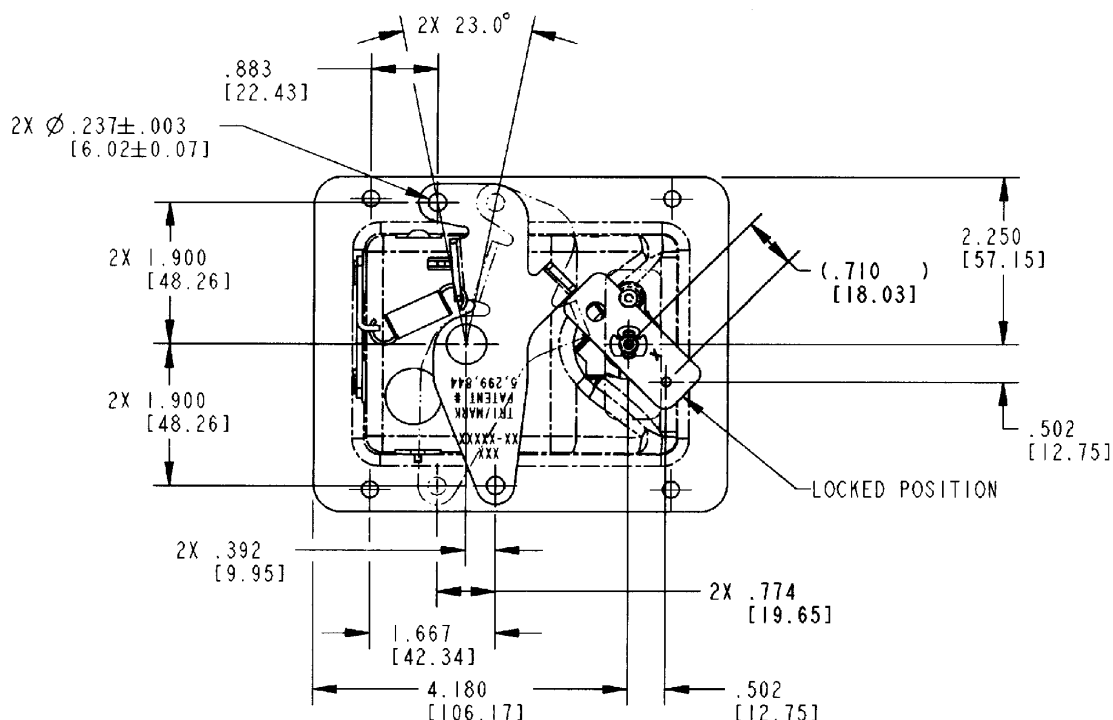
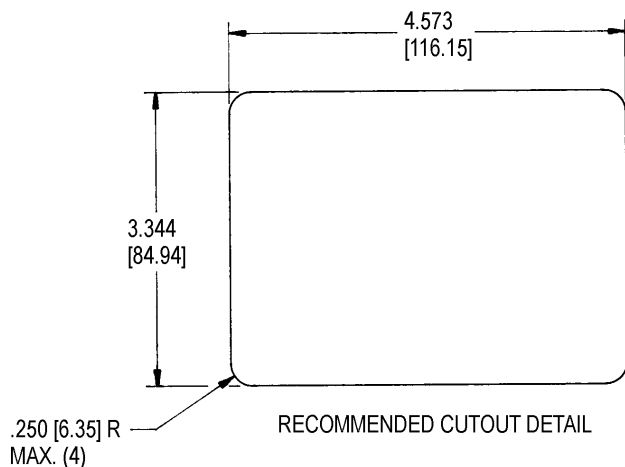
- Buffed and polished stainless steel
- Zinc plate and clear chromate conversion coat over mild steel for maximum paint adhesion and resistance to rust

MATERIAL:

- Housing and paddle: 300 series stainless steel
- Mild steel also available on housing and paddle
- Stainless steel non-corrosive springs and rivets
- Other components: zinc plated, mild steel

INSTALLATION:

- 3/16" (4mm) diameter fasteners
- Blind mount option available



030-0200 / 030-0250 Paddle Handle

This flush paddle was designed for heavy-duty off-highway vehicle entrance doors and features robust construction and pivot plate versatility.

- Off-highway vehicle applications - construction, mining, agricultural, forestry
- Doors requiring latch location remote from activating handle
- Door thickness of 2" (50.8mm) or greater

AVAILABLE:

- In right or left hand configurations (left hand shown)
- In locking or non-locking configurations

MATERIAL:

- Housing and paddle: die cast zinc alloy
- Pivot components: zinc plated, mild steel

FINISH:

- Housing and paddle: black powder coated
- Copper-nickel-chrome plated

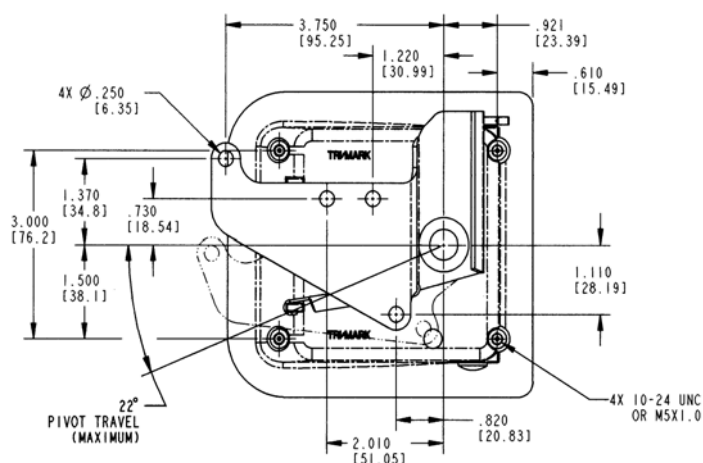


INSTALLATION:

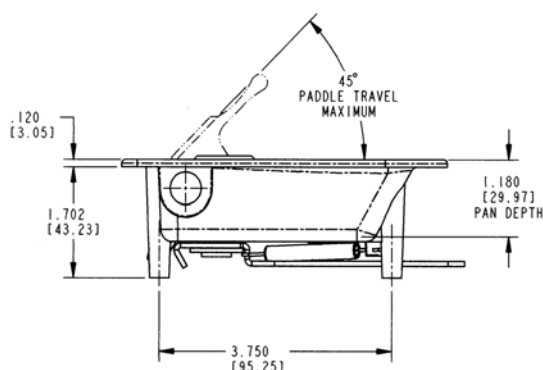
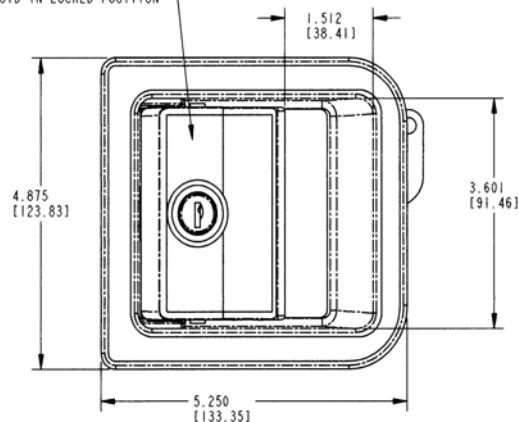
- Four 10-24 UNC or M5 X .8 mounting screws (not included)

NOTE: Mounting bosses are tapped 3/8" deep

Caution: Product does not meet the locking requirements of FMVSS 206.



NOTE: PADDLE IS RIGID IN LOCKED POSITION



030-0250 Paddle Handle With Inside Release Lever

030-0800 Flush Mounted Paddle Handle

This flush paddle was designed for medium to heavy-duty on-highway vehicle entrance doors and features robust construction and pivot plate versatility.

- Off-highway applications--construction, mining, forestry and agricultural
- On-highway--emergency vehicles not requiring FMVSS 206 standards

FEATURES/BENEFITS:

- Mounts in doors requiring latch location remote from activating handle
- Can be used with both cutouts shown in drawing

AVAILABLE:

- In right or left hand configurations (left hand shown)
- Non-locking or locking--keyed alike with shuttered keyway

INSTALLATION:

- Easily installed with (2) 1/4-20 UNC mounting screws and brackets (supplied)



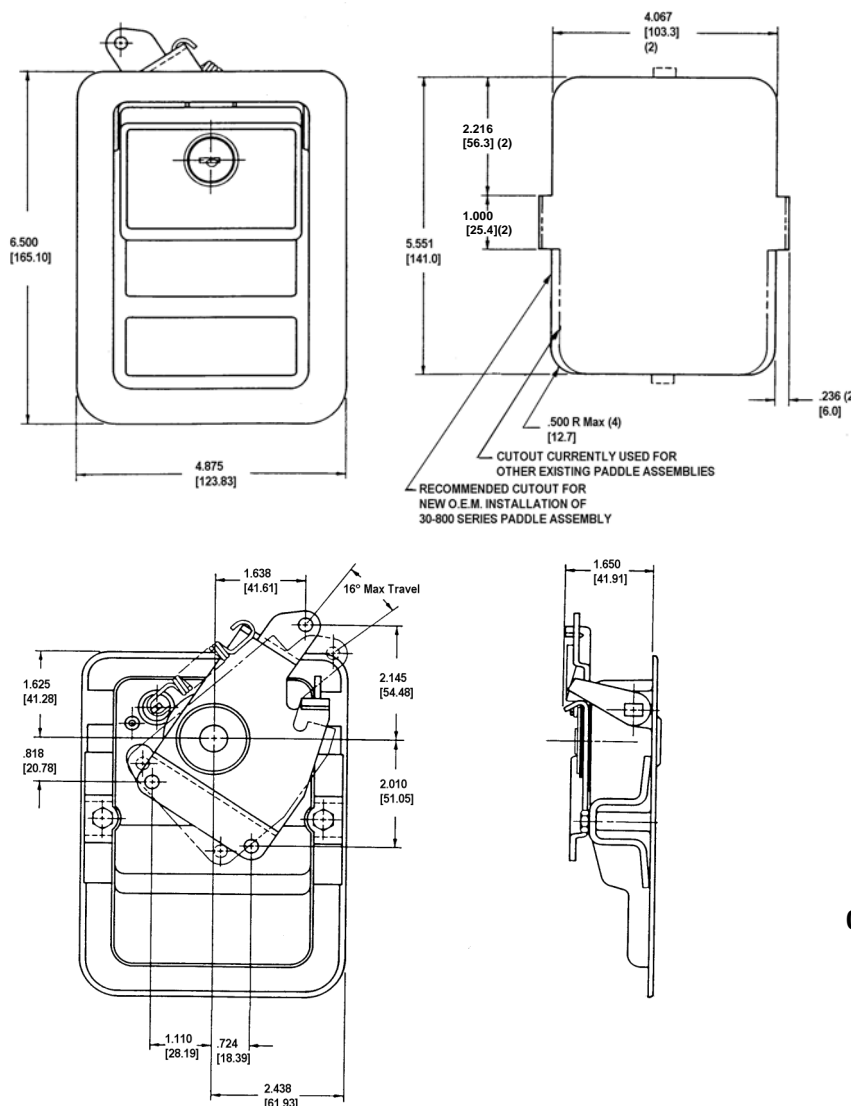
MATERIAL:

- Housing and paddle: sturdy die cast zinc alloy
- Pivot components: zinc plated, mild steel
- Bushing for paddle axle and thrust washers for pivot plate: 6-6 nylon

FINISH:

- Housing and paddle can be finished in your choice of black powder coat or buffed copper-nickel-chrome

Caution: Product does not meet the locking requirements of FMVSS 206.



030-0825 Flush Mounted Paddle Handle With Inside Release

030-0900 Motor Home Entrance Door Hardware With Deadbolt

Designed for motor home entrance doors, this product provides easy installation with through sandwich mounting. It features a large exterior paddle and an ergonomic "L" inside release and is adaptable for power locking.

- Motor home entrance doors with thickness of 1-1/2" (38.1mm) or 1-15/16" (49.2mm)
- Applications requiring resistance to water and dirt infiltration
- Door seal pressures of 25 lbs. (11 kg) or less for ease of function and maximum life (not to exceed 50 lbs [23 kg])
- Right hand applications
- Door weights up to 75 lbs. (34 kg)

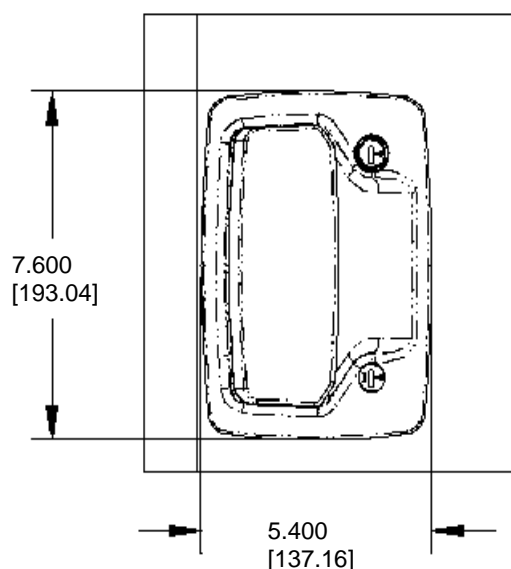
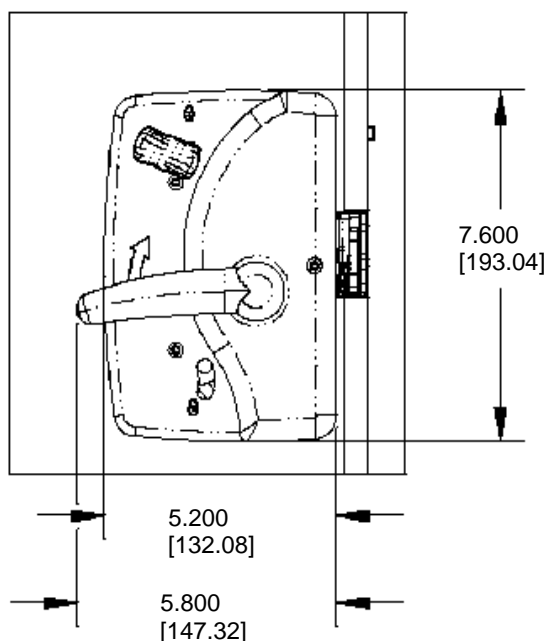
FEATURES/BENEFITS:

- Automotive style latch mechanism
- Smooth opening/closing action
- Paddle can be locked before door is shut
- Paddle is rigid when locked
- Comfortable finger access
- New inside handle design facilitates ergonomic function and modern styling
- Adaptable for power door lock actuator
- Built-in dead bolt eliminates the need for an add-on residential type dead bolt
- Dead bolt locks into the fully extended position for true dead bolt functioning



AVAILABLE:

- Master keyed passage lock key cylinder
- Non-master keyed dead bolt
- Gasket (not included)
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Standard or extended length deadbolt
- Sandwich mounting is available for door thicknesses of 1.500 (38.1mm), 1.614 (41.0mm) or 1.875 (47.6mm)



FINISH:

- Black powder coated
- Chrome plated
- Interior release: black powder coat, or white

MATERIAL:

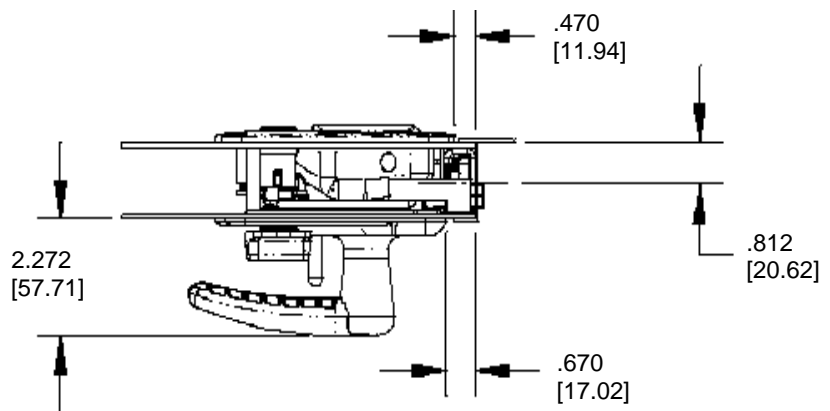
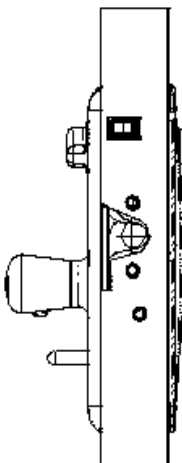
- Housing, inside plates, paddles, and certain lock actuating components: die cast zinc alloy
- Internal latch components: heat treated, smooth edge stamped steel
- Springs: non-corrosive stainless steel
- Case halves: high strength steel

INSTALLATION:

- #8-32 UNC mounting screws (not included). Recommended torque 13 in/lbs (1.4 N-m)
- Sandwich mount installation does not require any linkage rods

U.S. Design Patent No. D529,367

Note that this 030-0900 Motor Home Entrance Door Hardware With Deadbolt complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



030-1100 Two-Point Paddle Handle

This compartment latch was designed for light to medium duty storage and compartment doors. This non-handed product features a 2-point bellcrank for remote actuation.

- Cross bed tool boxes
- Truck topper and lift gate doors
- Most storage, compartment, and access doors with single or 2-point latch mechanism

FEATURES/BENEFITS:

- Water resistant
- Sleek automotive styling
- Paddle is rigid when locked
- Single point or two-point actuation
- Flush mount -- contoured surface
- Corrosion resistant
- Non-handed design

AVAILABLE:

- Non-locking or locking with shuttered keyway
- 2-point actuation
- Keyed alike
- Keyed random. 50 key codes -- TM901 -TM950
- With rod collars

FINISH:

- Black powder coated



MATERIAL:

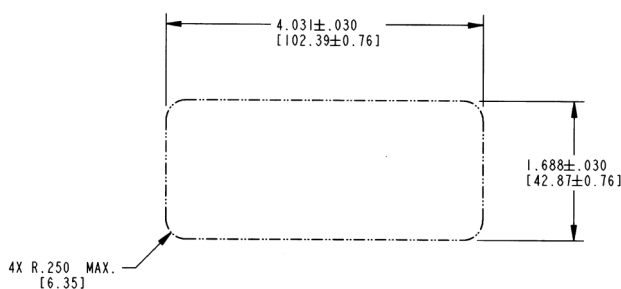
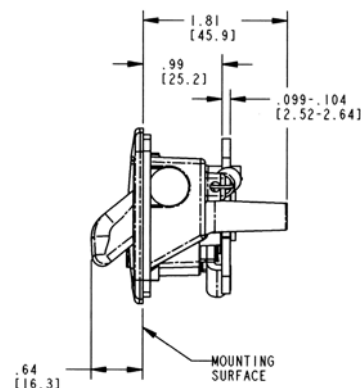
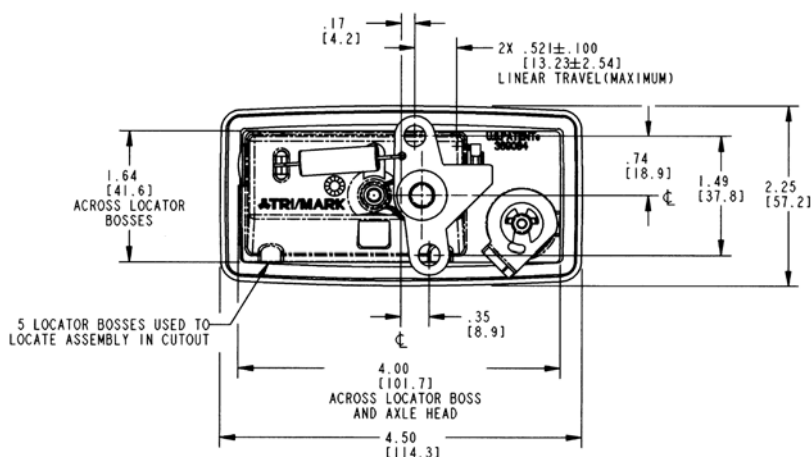
- Housing and paddle: die cast zinc alloy
- All steel parts (axles, pivot arm, pivot plate, lock cam): zinc plate clear chromate for corrosion resistance

INSTALLATION:

- Supplied with gasket already applied under recess in housing flange for simple, clean installation
- Single point #10-24 UNC mounting fastener
- Optional mounting brackets (please inquire)

NOTE: Rod collars are not intended or recommended for use in applications that require FMVSS 206 compliance or applications that have heavy or extreme Striker Bolt Loads (> 25 lbs. / 11 kg.) and/or high to extreme usage (> 100,000 door cycles/life).

Caution: Product does not meet the locking requirements for FMVSS 206.



RECOMMENDED CUTOUT DETAIL

030-1200 Round Paddle Handle

The 030-1200 Round Paddle Handle was designed for use on personnel and compartment doors for light to medium duty for on or off-highway applications. This ergonomic handle offers compact size for a cost effective price and brings a modern look and function to your cabs and enclosures.

- Light to medium duty agricultural and construction personnel and compartment doors
- Any baggage or compartment door for on or off-highway applications
- Use in a direct latch release application or used in conjunction with a bellcrank for single point remote actuation

FEATURES/BENEFITS:

- Ergonomic function and styling
- Interior or exterior applications
- Rigid handle when locked
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Non-handed configuration allows for universal applications

AVAILABLE:

- With a conventional paddle or open bail style handle for maximum leverage
- Can be keyed alike with most single and reversible key systems
- In locking or non-locking configurations
- With gasket for maximum water resistance
- With standard mounting bracket



MATERIAL:

- Handle, paddle and actuator: engineered plastic withstands corrosion and UV exposure
- Spring: non-corrosive stainless steel

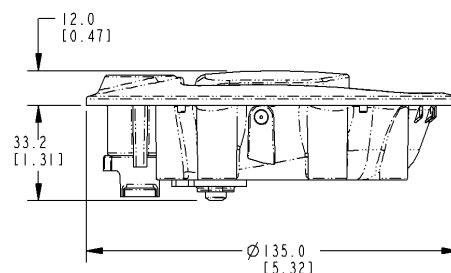
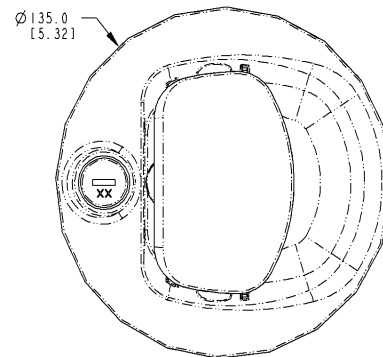
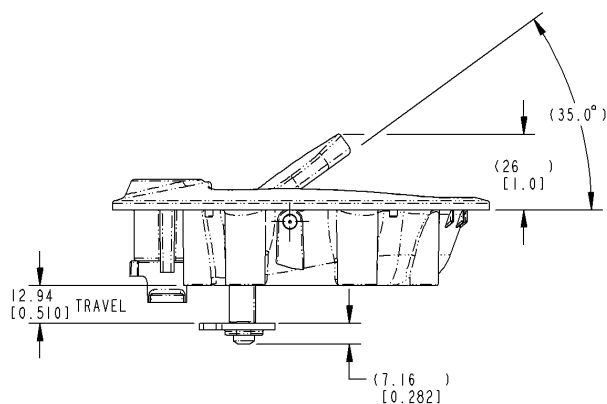
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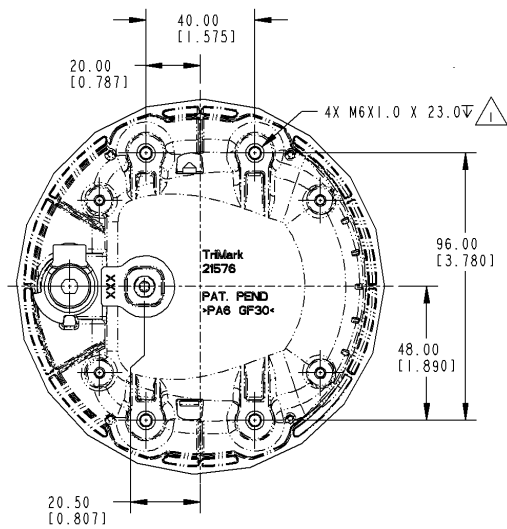
- Easy installation with (4) M6 special high performance thread forming fasteners available
- Allows for glass mounting through a single 120mm diameter hole or steel through a double-D cutout

U.S. Patent No. 7,611,173

U.S. Design Patent No. D541,129

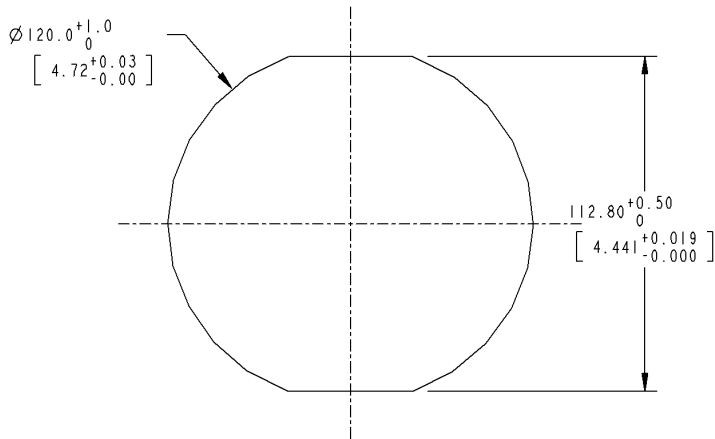
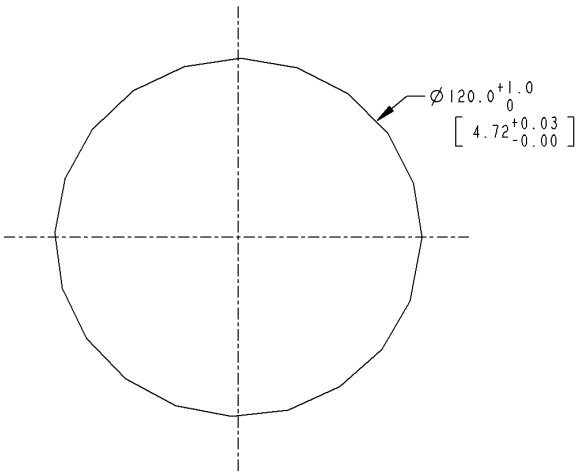
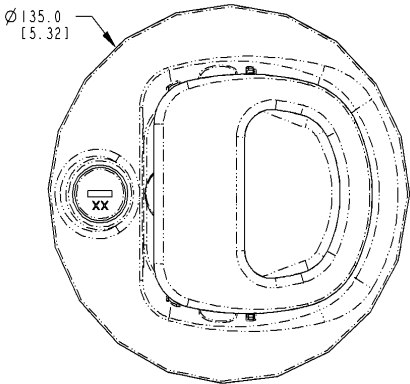
Caution: Product does not meet the locking requirements for FMVSS 206





NOTE: UNLESS OTHERWISE SPECIFIED;

∇_1 RECOMMENDED INSTALLATION TORQUE TO BE 9.4-11.5 N-m [83-102 lbf-in]



030-I 300 D-Paddle Handle

This compartment paddle handle is designed for utility and service bodies, emergency vehicles and baggage doors for recreational vehicles. It features a multipoint bellcrank and is available in black or buffed copper-nickel-chrome finishes.

AVAILABLE:

- In locking or non-locking configurations
- With single rotor latch module (050-0206) that can be orientated at 90° intervals with the paddle depending on application
- With gasket for flange of housing to provide resistance to water and dirt infiltration
- Multiple pivot plate for doors that require a remote latching mechanism

MATERIAL:

- Housing and paddle: die cast zinc alloy
- Internal latch components: case hardened, smooth edge stamped steel
- Springs: stainless steel, non-corrosive
- Other components: zinc plate mild steel

FINISH:

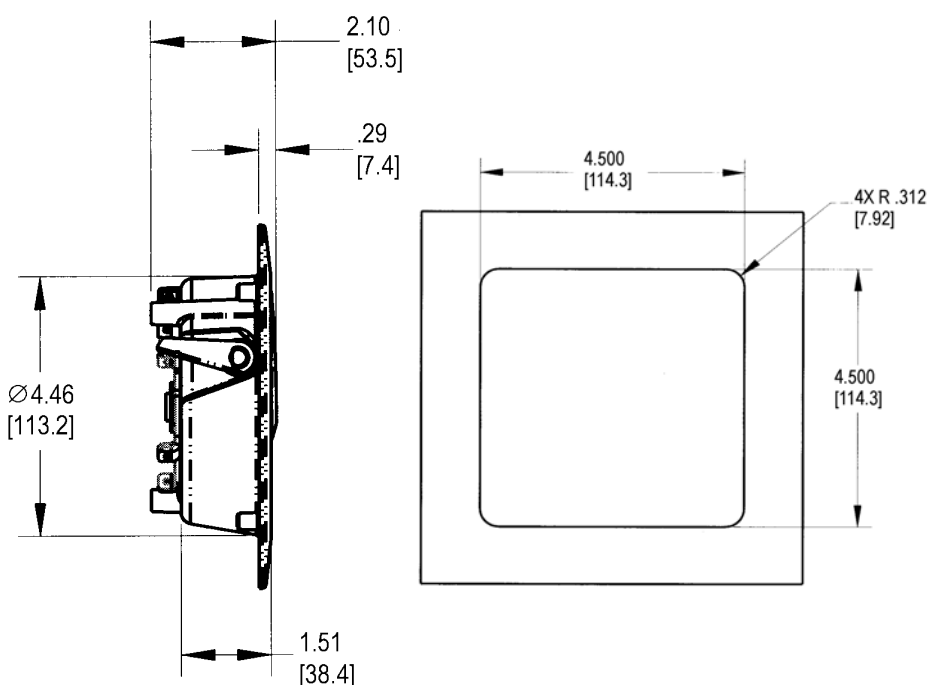
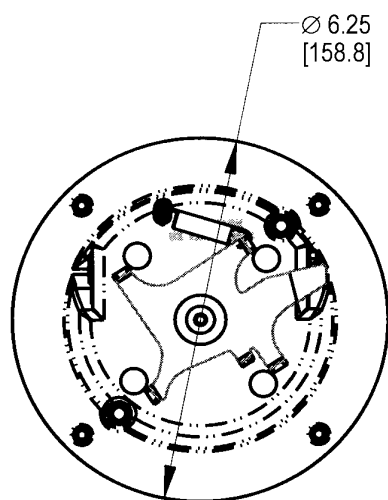
- Housing and paddle: black powder coated or buffed copper-nickel-chrome plated
- Stampings: zinc plate clear chromate conversion coat



INSTALLATION:

- Easy drop-in installation
- Integrated rotary: mounts with (2) 1/4-20 UNC threaded cutting screws (not included)
- Two-point: mounts with (4) #10-24 UNC screws (not included)
- Retrofits with most folding D-ring handles presently used

Caution: Product does not meet the locking requirements for FMVSS 206



030-1400 Paddle Handle

This flush mounted paddle is a redesign of our 030-0400 paddle handle for entrance doors on RV and specialty vehicles. Containing the same proven mechanical details as previous with a modernized look, it can be used in FMVSS 206 applications and features a remote pivot plate and lock cam actuation.

AVAILABLE:

- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Several pivot plate options are available to suit a wide variety of applications



MATERIAL:

- Sturdy zinc die cast alloy housing and paddle
- Steel components: zinc plated, mild steel

FINISH:

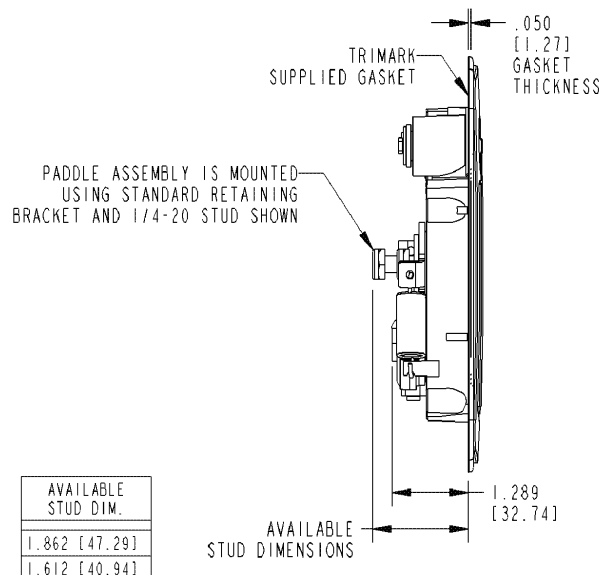
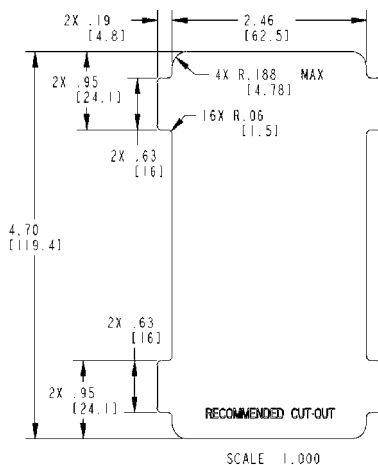
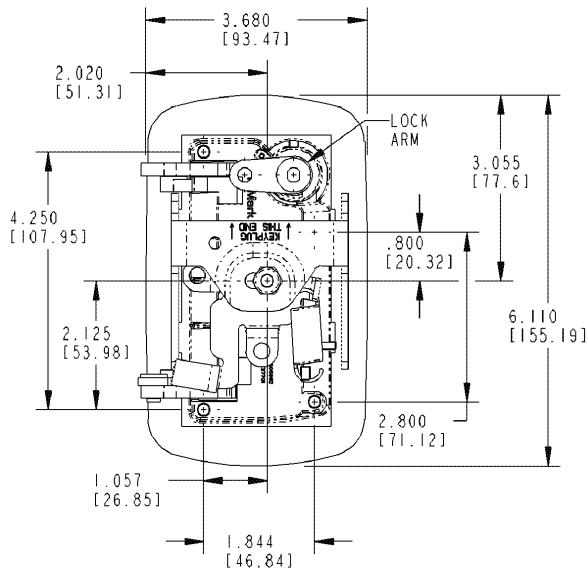
- Standard black powder coated, buffed copper-nickel-nickel-chrome plated or combination black powder coated housing and buffed chrome paddle

INSTALLATION:

- Handle is easy to install with supplied single 1/4-20 UNC nut and mounting bracket (mounting torque not to exceed 30 in-lbs [3.39N-m])
- Either handed version can be installed in a wide range of locations in both horizontal or vertical orientations (left hand shown)
- Retrofits with most 030-0400 flush paddle handles

U.S. Design Patent No. D537,701

Note that this 030-1400 Paddle Handle complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



030-1425 Inside Bezel & Release Lever Assembly

This redesigned product functions as a remote inside release and features a built-in lock lever and improved zinc die cast bezel for durability and ease of installation. It is also available in non-locking and power locking versions.

- Remote interior release and locking applications for on or off-highway
- Light to medium duty recommended
- Use with TriMark latch/logic mechanisms

FEATURES/BENEFITS:

- Offers modern automotive styling
- Built-in lock lever for added security
- Remote mounting provides versatility and flexibility

AVAILABLE:

- Right or left hand configurations (right hand shown)
- Cutout for power door lock
- Non-locking bezel also available
- As a complete assembly or separate components for application flexibility



MATERIAL:

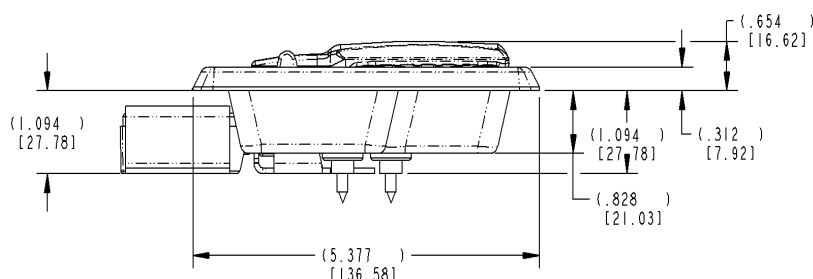
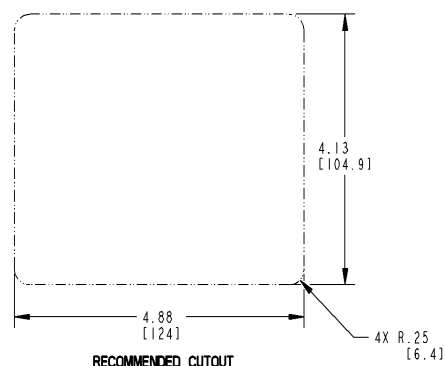
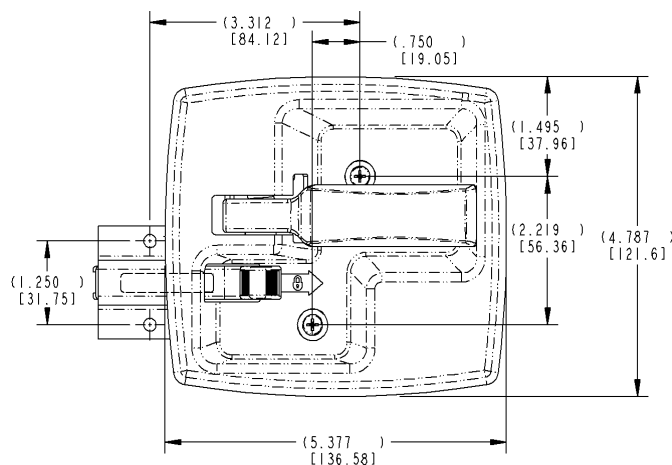
- Bezel and release lever die cast zinc alloy
- Lock lever -- engineered plastic
- Stamped steel mounting brackets

INSTALLATION:

- Fasteners supplied for mounting inside bezel

U.S. Design Patent No. D598,729 / D588,895

Note that this 030-1425 Paddle Handle complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



030-1450 2-Point Paddle Handle

This flush mounted paddle is a redesign of our 030-0450 paddle handle for compartment doors and entrance doors on RV and specialty vehicles. Containing the same proven mechanical details as previous with a modernized look, it can be used in FMVSS 206 applications, is power lockable and features 2-point remote pivot plate and lock cam actuation.

FEATURES/BENEFITS:

- Offers updated styling
- Paddle is rigid when locked
- Inside lock detail provides for multiple connection points for use of inside lock and/or powerlock actuation
- Molded rubber gasket for flange of housing provides resistance to water and dust infiltration

AVAILABLE:

- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Several 2-point pivot plate options are available to suit a wide variety of applications



INSTALLATION:

- Handle is easy to install with single 1/4-20 UNC nut and supplied mounting bracket (Mounting torque not to exceed 30 in-lbs [3.39N-m])
- Either handed version can be installed in a wide range of locations in either horizontal or vertical orientations (left hand shown)
- Retrofits with most 030-0450 flush paddle handles

FINISH:

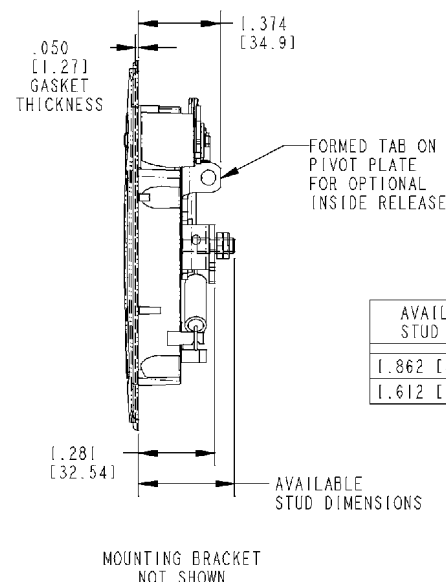
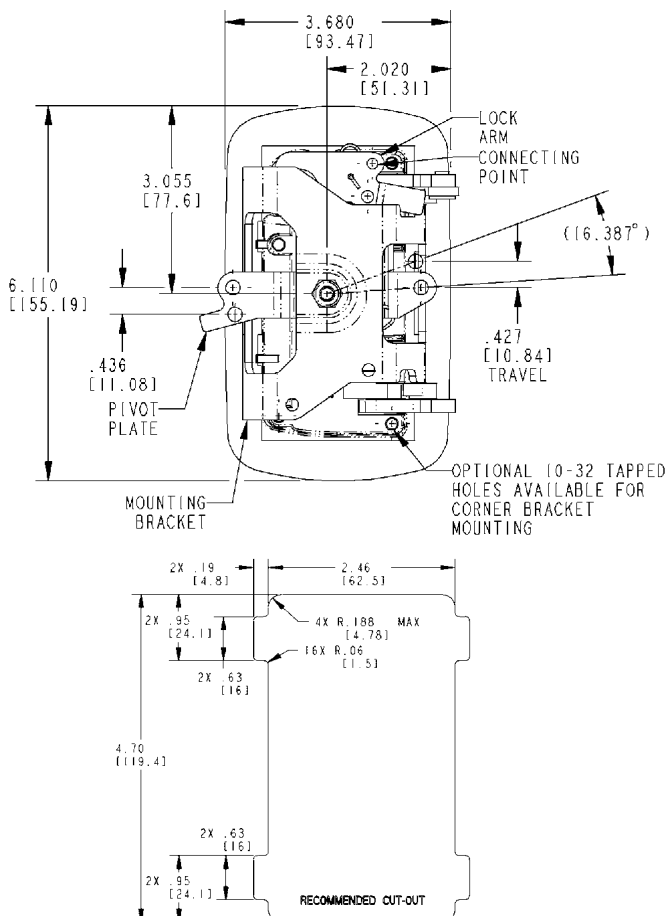
- Standard black powder coated, buffed copper-nickel-nickel-chrome plated or combination black powder coated housing and buffed chrome paddle

MATERIAL:

- Sturdy zinc die cast alloy housing and paddle
- Steel components: zinc plated, mild steel

U.S. Design Patent No. D537,701

Note that this 030-1450 2-Point Paddle Handle complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



AVAILABLE STUD DIM.
1.862 [47.29]
1.612 [40.94]

030-1 800 Non-Locking Flush Mounted Paddle Handle

This flush mounted paddle handle is a redesign of TriMark's popular 030-0800 Flush Mounted Paddle Handle. Containing an update for a modernized look, it features the same 4-point pivot plate.

DESIGNED FOR:

- Medium to heavy-duty on-highway vehicle compartment doors
- Off-highway applications—construction, mining, forestry and agricultural
- On-highway—emergency vehicles not requiring FMVSS 206 standards

FEATURES/BENEFITS:

- Automotive styling preferred by customers in the ambulance and fire truck market
- Easy installation—do not have to maneuver large pivot plate through cut-out in the door
- Molded rubber housing gasket and o-rings on the axle for better water infiltration resistance
- Non-slip tape added for secure opening of the door

AVAILABLE:

- Left and right hand configurations available
- Includes gasket for flange of housing to provide resistance to water and dirt infiltration
- Customized bezel/trim for unique look for customers with the request of an added logo

MATERIAL:

- Paddle and housing: sturdy die cast zinc alloy
- Pivot components: heat treated, mild steel for wear resistance
- Bushing for paddle axle and thrust washer for pivot plate: nylon 6/6



FINISH:

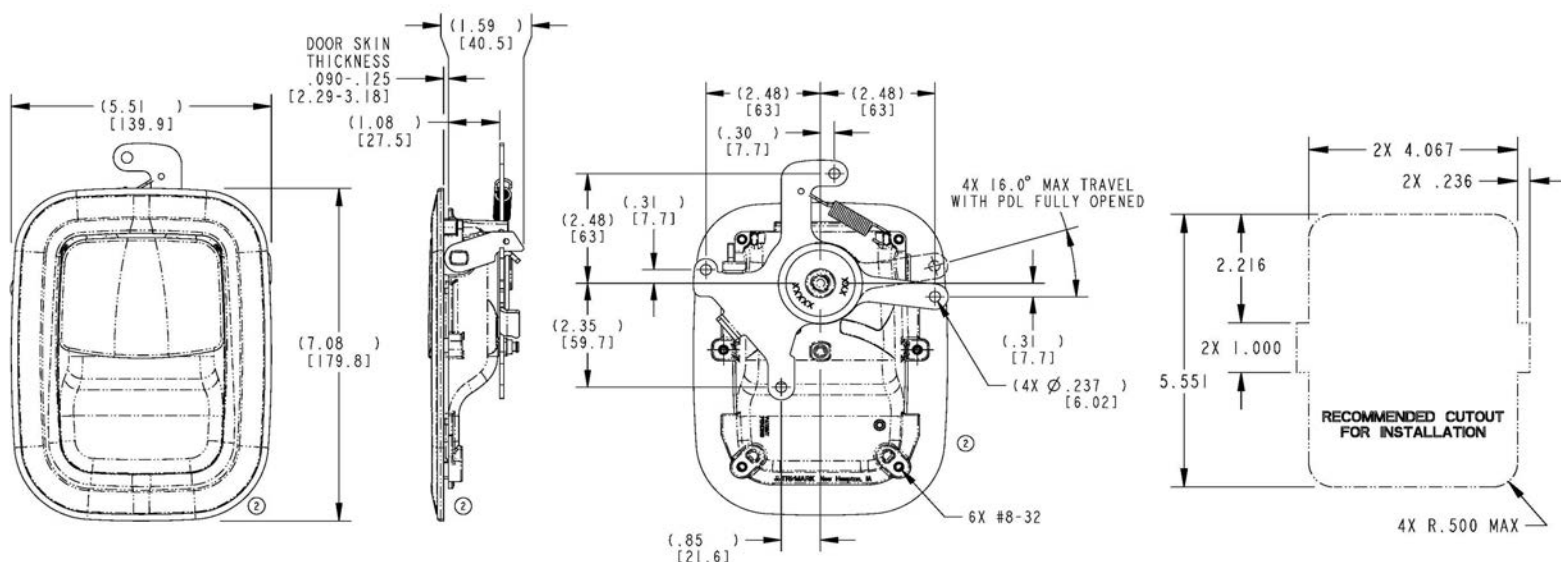
- Available in a variety of finishes including black powder coated, high quality buffed CNNC chrome or a combination of black/chrome finish

INSTALLATION:

- Design provides for easy installation without a mounting bracket with the use of six (6) 8-32 fasteners
- Can be installed in a wide range of locations in door—either horizontal or vertical orientation (left hand shown)
- Installs into current 030-0800 cut-outs
- Door skin thickness—.083"-.127" (2.11mm-3.22mm)

U.S. Design Patent No. D694,087
Other Patent Pending

Caution: Product does not meet the locking requirements for FMVSS 206



Handles:
Paddle

030-1850 Flush Mounted Paddle/Handle-Rigid Locking

This flush mounted paddle handle with rigid locking paddle is a redesign of our popular 030-0850 Flush Mounted Paddle Handle. With a modernized look, it can be used in FMVSS 206 applications, is power lockable and features a 4-point pivot plate and lock cam actuation.

DESIGNED FOR:

- Medium to heavy duty on-highway vehicle entrance doors
- Off-highway applications—construction, mining, forestry and agricultural
- On-highway—emergency vehicles

FEATURES/BENEFITS:

- Automotive styling preferred by customers in the ambulance and fire truck market
- Multiple connection points for use on inside lock and power lock actuation
- Easy installation—do not have to maneuver large pivot plate through cut-out in the door
- Molded rubber housing gasket and o-rings on the axle for better water infiltration resistance
- Non-slip tape added for secure opening of the door

AVAILABLE:

- Left and right hand configurations available
- Includes gasket for flange of housing to provide resistance to water and dirt infiltration
- Handle can be keyed to match other TriMark door product with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Customized bezel/trim for unique look for customers with the request of an added logo



IMATERIAL:

- Paddle and housing: sturdy die cast zinc alloy
- Pivot components: heat-treated, mild steel for wear resistance
- Bushing for paddle axle and thrust washer for pivot plate: nylon 6/6

FINISH:

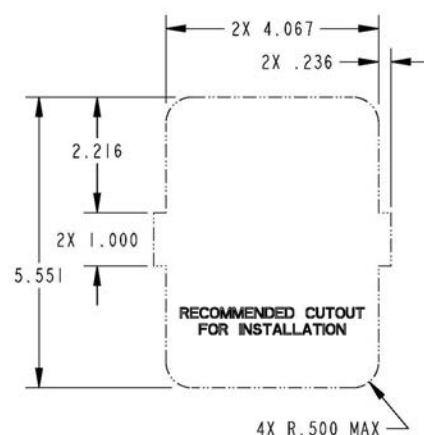
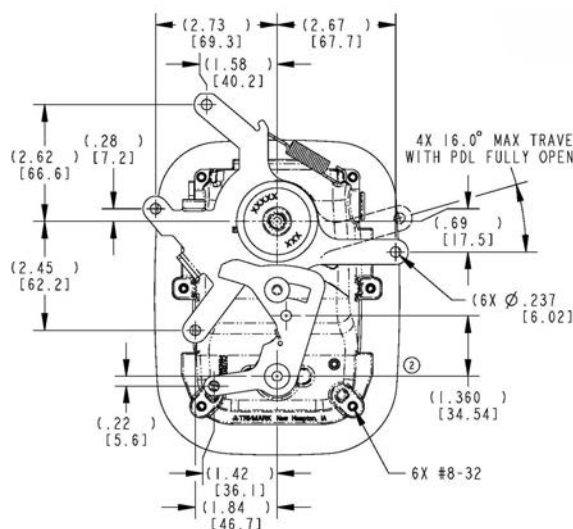
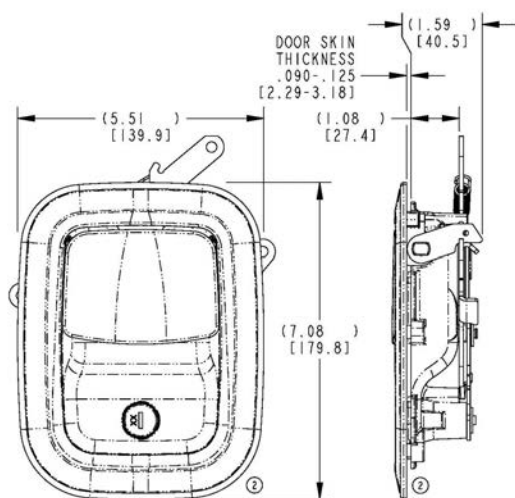
- Available in a variety of finishes including black powder coated, high quality buffed CNC chrome or a combination of black/chrome finish

INSTALLATION:

- Design provides for easy installation without a mounting bracket with the use of 6 (six) 8-32 fasteners
- Can be installed in a wide range of locations in door—either horizontal or vertical orientation (left hand shown)
- Installs into current 030-0850 cut-outs
- Door skin thickness—.083"-.127" (2.11mm-3.22mm)

U.S. Design Patent No. D694,087
Other Patent Pending

Note that this 030-1850 Free-Float Flush Mounted Paddle Handle complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



030-1860 Flush Mounted Paddle/Handle With Inside Lock Knob

This flush mounted paddle handle with inside lock knob is a redesign of our popular 030-0860 Flush Mounted Paddle Handle. With a modernized look, it can be used in FMVSS 206 applications, is power lockable and features a 4-point pivot plate and lock cam actuation.

DESIGNED FOR:

- Medium to heavy-duty on-highway vehicle entrance doors
- Off-highway applications—construction, mining, forestry and agricultural
- On-highway—emergency vehicles

FEATURES/BENEFITS:

- Automotive styling preferred by customers in the ambulance and fire truck market
- Multiple connection points for use on inside lock and power lock actuation
- Easy installation—do not have to maneuver large pivot plate through cut-out in the door
- Molded rubber housing gasket and o-rings on the axle for better water infiltration resistance
- Non-slip tape added for secure opening of the door

AVAILABLE:

- Left and right hand configurations available
- Includes gasket for flange of housing to provide resistance to water and dirt infiltration
- Customized bezel/trim for unique look for customers with the request of an added logo

MATERIAL:

- Paddle and housing: sturdy die cast zinc alloy
- Pivot components: heat-treated, mild steel for wear resistance
- Bushing for paddle axle and thrust washer for pivot plate: nylon 6/6



FINISH:

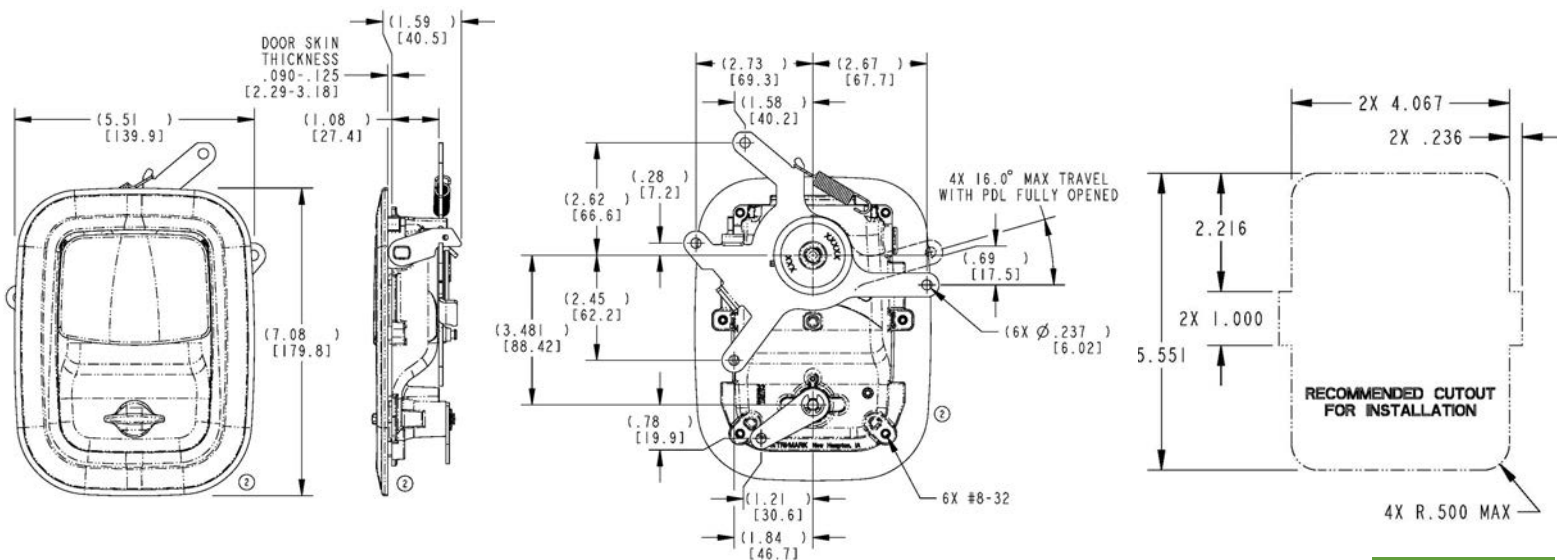
- Available in a variety of finishes including black powder coated, high quality buffed CNNC chrome or a combination of black/chrome finish

INSTALLATION:

- Design provides for easy installation without a mounting bracket with the use of 6 (six) 8-32 fasteners
- Can be installed in a wide range of locations in door—either horizontal or vertical orientation (left hand shown)
- Installs into current 030-0860 cut-outs
- Door skin thickness—.083"-.127" (2.1mm-3.22mm)

U.S. Design Patent No. D694,087 Other Patent Pending

Note that this 030-1860 Flush Mounted Paddle/Handle With Inside Lock Knob complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



Handles:
Paddle

030-1875 Flush Mounted Paddle/Handle With Free-Floating Paddle

This flush mounted paddle handle with free-floating paddle (when locked) is a redesign of our popular 030-0875 Flush Mounted Paddle Handle. Containing an update to the mechanical design and with a modernized look, it can be used in FMVSS 206 applications, is power lockable and features same 4-point pivot plate and lock cam actuation.

DESIGNED FOR:

- Medium to heavy-duty on-highway vehicle entrance doors where free-floating handle is preferred
- Off-highway applications--construction, mining, forestry and agricultural
- On-highway--emergency vehicles

FEATURES/BENEFITS:

- Automotive styling preferred by customers in the ambulance and fire truck market
- Multiple connection points for use on inside lock and power lock actuation
- Easy installation—do not have to maneuver large pivot plate through cut-out in the door
- Molded rubber gasket and o-rings on the axle for better water infiltration resistance
- Non-slip tape added for secure opening of the door

AVAILABLE:

- Left and right hand configurations available
- Includes gasket for flange of housing to provide resistance to water and dirt infiltration
- Handle can be keyed to match other TriMark door product with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Customized bezel/trim for unique look for customers with the request of an added logo



MATERIAL:

- Paddle and housing: sturdy die cast zinc alloy
- Pivot components: heat-treated mild steel for wear resistance
- Bushing for paddle axle and thrust washer for pivot plate: nylon 6/6

FINISH:

- Available in a variety of finishes including black powder coated, high quality buffed CNNC chrome or a combination of black/chrome finish

INSTALLATION:

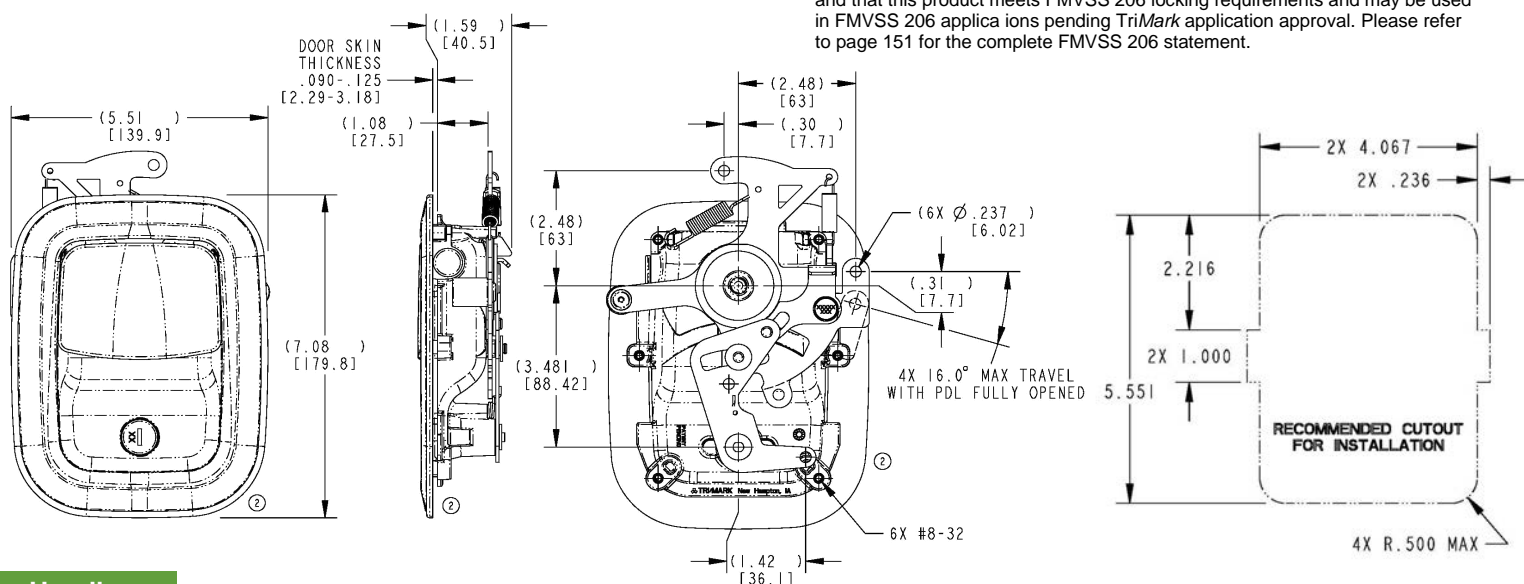
- Design provides for easy installation without a mounting bracket with the use of 6 (six) 8-32 fasteners
- Can be installed in a wide range of locations in door -- either horizontal or vertical orientation (left hand shown)
- Installs into current 030-0875 cut-outs
- Door skin thickness - .083"-.127" (2.11mm-3.22mm)

U.S. Design Patent No. D694,087

U.S. Patent No. 8,881,564

Other Patent Pending

Note that this 030-1875 Flush Mounted Paddle Handle With Free-Floating Paddle complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applica ions pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



030-2000 Two-Point Free Float Baggage Lock

Designed for recreational vehicle baggage doors, this product is available in black or copper-nickel-chrome plated finish and features a two-point bellcrank for remote actuation and is power lockable.

- Two-point assembly ideally suited to fit 1.25" (31.8mm) and thicker foam core doors with linkage release efforts up to 7 lbs. (3.2 kg) per linkage rod

FEATURES/BENEFITS:

- Foam gasket on flange of housing provides resistance to water infiltration
- Paddle free-floats when locked
- Modern automotive styling
- Adaptable to powerlock actuation
- Paddle can be locked before door is shut
- Large handle provides comfortable finger access and greater ease of operation (ergonomics)

AVAILABLE:

- Handle can be keyed to match other TriMark RV door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Linkage rods available for your specific applications
- In right or left hand configurations (right hand shown)



MATERIAL:

- Sturdy zinc die cast alloy paddle and housing
- All steel parts (axles, pivot arm, pivot plate, lock cam): cold rolled steel with zinc plate clear chromate for corrosion resistance

FINISH:

- Supplied black powder coated, this product can easily be painted over to match body colors
- Also available copper-nickel chrome plated

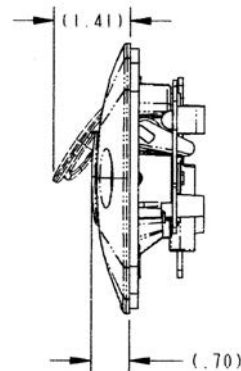
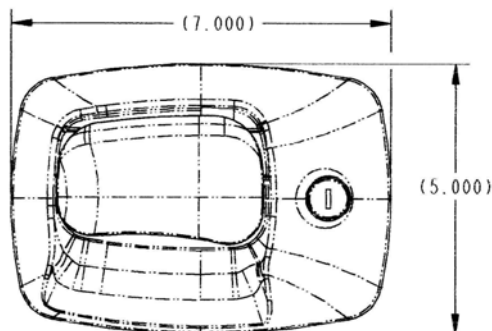
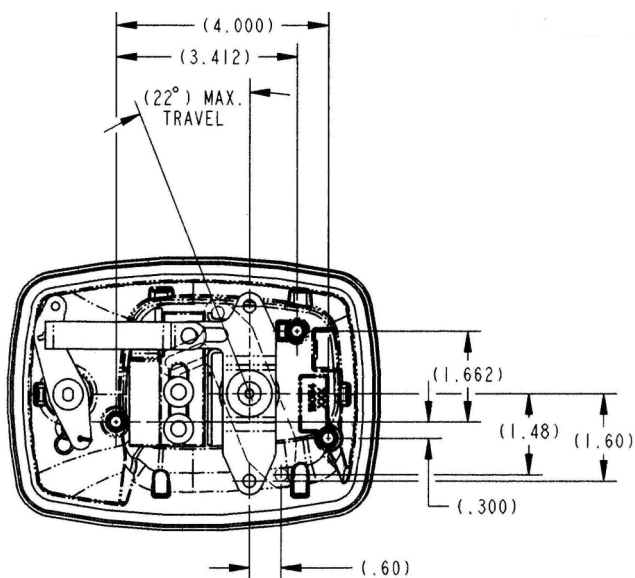
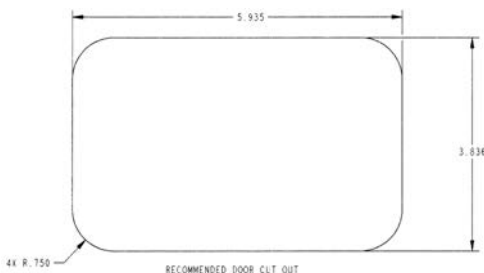
INSTALLATION:

- Easy drop-in installation
- Supplied with gasket already applied under recess in housing flange for simple, clean installation
- Mounts with (3) 1/4-20 UNC thread forming screws (not supplied)
- Optional mounting bracket and rod designed for easy installation of power actuation
- Either handed version can be installed in a wide range of locations in door—horizontal or vertical orientation

U.S. Patent No. 6,708,537

Design Patent No. D496,576

Caution: Product does not meet the locking requirements for FMVSS 206



Handles:
Paddle

030-2300 Wedge Paddle Handle

This flush mounted paddle handle is designed specifically for medium to heavy-duty off-highway vehicle entrance doors that require remote actuation. It retrofits similar excavator paddle handles and offers robust construction for a very cost effective price.

FEATURES/BENEFITS:

- Off-highway construction equipment applications
- Doors requiring latch location remote from actuating handle
- Door thickness of 55mm or greater
- Comfortable finger access
- Adaptable for power door lock actuation
- Molded gasket for flange of housing provides resistance to water infiltration

AVAILABLE:

- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Choice of locking functions; locked rigid within the paddle or remote free-float locking to connect with latch/linkage



INSTALLATION:

- Easy to install with (3) M5 mounting screws (not included)
- Recommended mounting torque 3.4 N-m

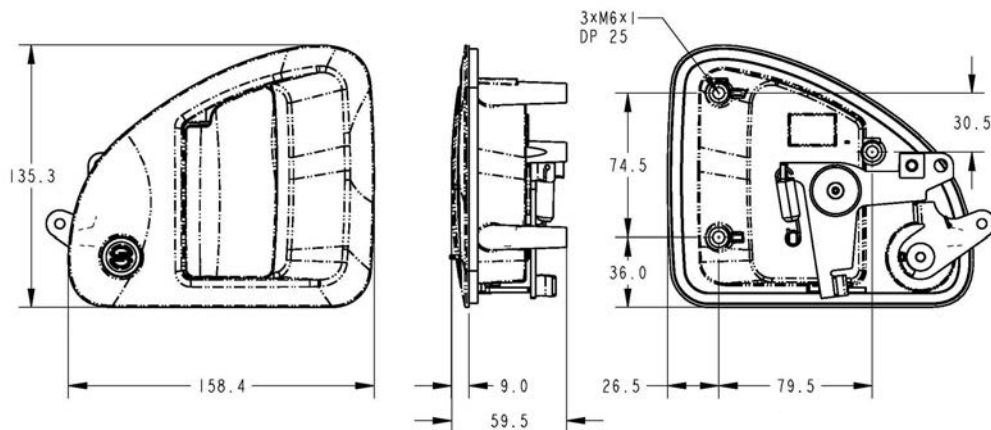
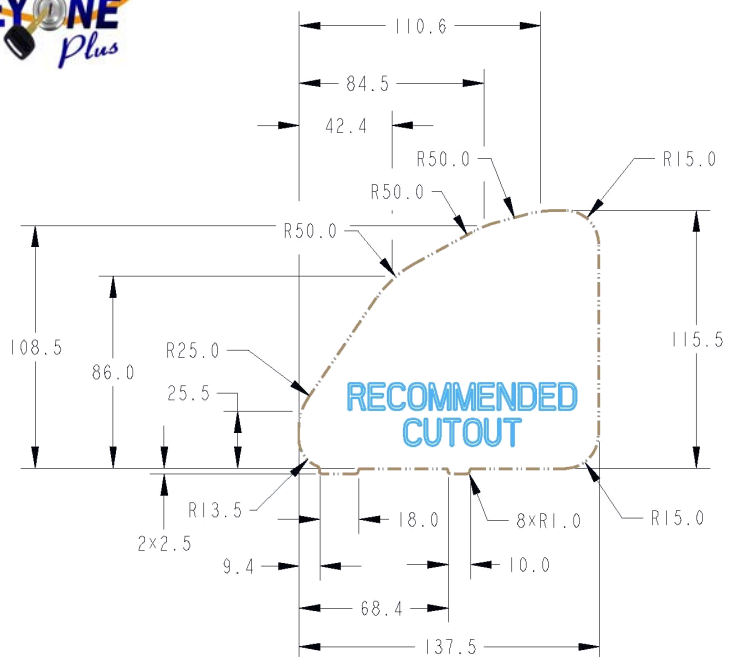
MATERIAL:

- Sturdy die cast zinc alloy paddle and housing
- Pivot plate, lock cam and paddle axle: mild steel

FINISH:

- Black powder coated housing and paddle
- Zinc plated clear chromate steel components

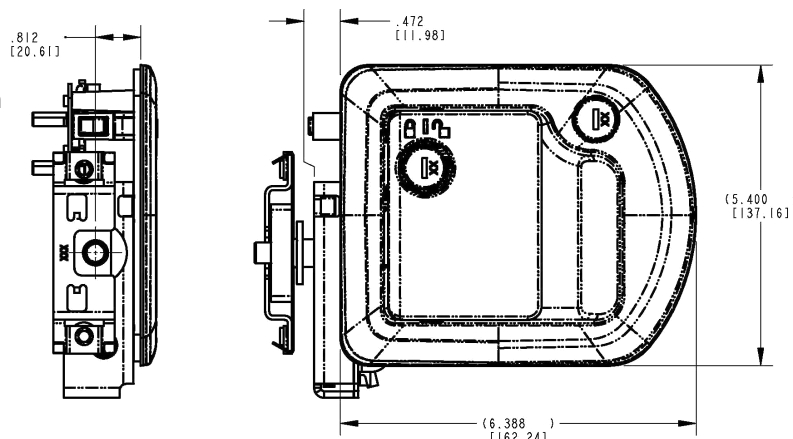
Caution: Product does not meet the locking requirements for FMVSS 206 (free-float version)



030-2650 Motor Home Entrance Door Hardware-Rotary

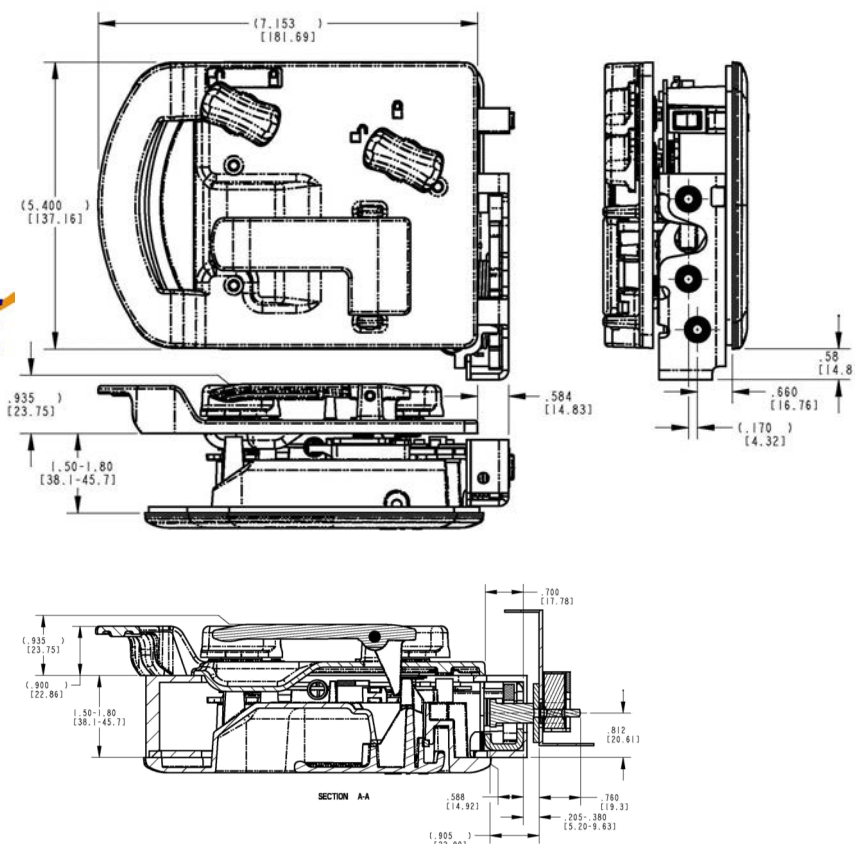
Designed for motor home and fifth wheel trailer entrance doors, this new product is a redesign of our 030-1000/030-1050 Motor Home Entrance Door Hardware. It features easy installation through sandwich mounting, a reliable direct release rotary latch which is compliant to FMVSS 206, a built-in deadbolt for additional security and is power lockable.

- Motor home entrance doors with thickness of 1.390" (35.3mm) to 1.78" (45.2mm) (Different inside plates are required to facilitate range of door thicknesses. Please identify when inquiring.)
- Fifth-wheel trailers, pull-type trailers and slide-in campers
- Door seal pressures of 40 lbs. or less for ease of function and maximum life
- Right hand applications
- Door requiring resistance to water and dirt infiltration
- Use with TriMark 070-0100 Striker Bolt



FEATURES/BENEFITS:

- Inside release is low profile (.094") to allow for close-fitting screen doors
- Paddle can be locked before door is shut
- Paddle is rigid when locked
- Automotive styling
- Comfortable finger access
- Inside assist with open bail for easy closing
- Can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Built-in deadbolt eliminates the need for add-on residential type deadbolt (deadbolt option)
- Deadbolt locks into the fully extended position for true deadbolt functioning (deadbolt option)
- Ability to be used with power actuation for locking (deadbolt option)
- Deadbolt cylinder non-removable when locked for added security



Handles:
Paddle

030-2650 cont.

AVAILABLE:

- With optional built-in deadbolt
- Master keyed paddle key cylinder
- Without key cylinders for matching entire vehicle cylinders after installation

MATERIAL:

- Housing, inside plates, handles, plunger bolt, deadbolt, locking components including lock knobs: die cast zinc alloy

FINISH:

- Black powder coated
- Copper-nickel-chrome plated
- Other finishes available upon request

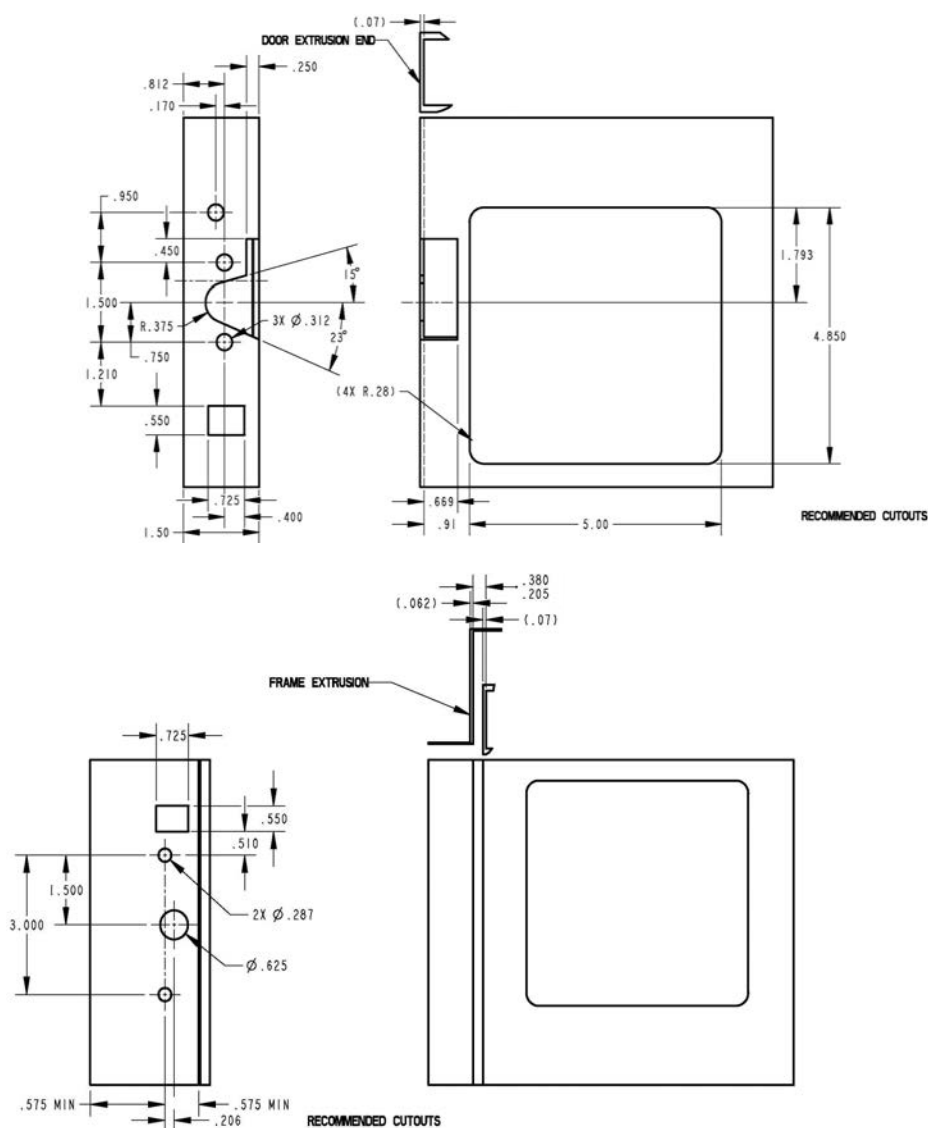
INSTALLATION

- #10-24 mounting screws (not included). Recommended torque 10 in-lbs (1.1 N-m)
- Supplied with gaskets already installed
- Sandwich mount installation does not require any linkage rods
- Power actuators, power actuation mounting brackets and rods are available for optional power actuation of locks. Please inquire.

U.S. Design Patent No. D674,678 / D676,304

U.S. Patent No. 8,733,139

Note that this product complies with FMVSS 206 when tested in accordance with SAE J839 and that this system meets FMVSS 206 loads and locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



060-0201 / 060-0251 Trailer Latch

This trailer latch was specifically designed for entrance, baggage and compartment doors for recreational vehicles including motor homes and travel trailers. It features a modern styled paddle and provides a single reversible key system with TriMark's KeyOne™ Plus system.

- All doors with thickness of 1-1/4" (31.8mm) to 1-1/2" (38.1mm) (other door thicknesses available—please inquire)
- Universal applications--either right or left handed

FEATURES/BENEFITS:

- Paddle can be locked before door is shut
- Paddle is rigid when locked
- Automotive styling
- Comfortable finger access
- Inside assist for easy door closing
- Water resistant
- Master keying is standard for paddle key cylinder

AVAILABLE:

- With optional built-in dead bolt (060-0251 Series)
- Reversible key for ease of operation
- With or without inside release (060-0201 Series)
- Reverse plunger for inward swinging doors (optional)
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking



MATERIAL:

- Major components: die cast zinc alloy
- Strike plate (standard version): die cast zinc alloy
- Strike plate (optional dead bolt version): steel or non-corrosive stainless steel
- Non-metallic plunger



060-0201 Trailer Latch



060-0251 Trailer Latch With Dead Bolt

FINISH:

- Black powder coated or white
- Copper-nickel chrome plated
- Strike plate (standard version): black powder coating
- Strike plate (optional deadbolt version): zinc plated

INSTALLATION:

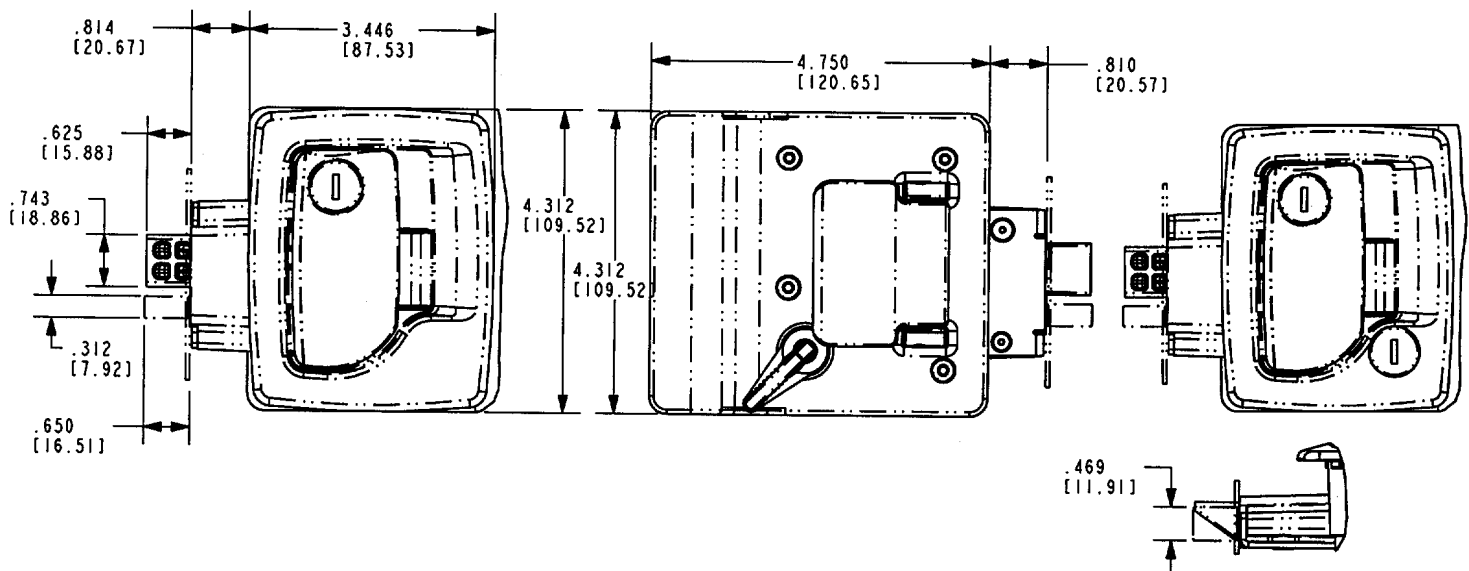
- Requires (4) #8-32 thread forming fasteners (available—please inquire)

060-0251 Series Dead Bolt Features

- Built-in dead bolt eliminates the need for an add-on residential type dead bolt
- Requires the same cut-out detail as the standard latch assembly (060-0200 / 060-0250 / 060-0201)
- Same fasteners may be used for all versions
- Dead bolt locks into the fully extended position for true dead bolt functioning
- Master keying is standard for paddle key cylinder

U.S. Patent No. 6,409,234 / 5,927,773

Caution: Latch does not meet FMVSS 206 load requirements



Handles:
Paddle

060-0460 EZ Access Baggage Door Lock

This door lock was specifically designed for baggage and compartment doors for recreational vehicles including motor homes and travel trailers. It features a modern styled paddle and is available with multi-point functionality or as a single point.

FEATURES/BENEFITS:

- Offers lower operating efforts and a more forgiving assembly
- Ample finger clearance
- Paddle can be locked before the door is shut (slam action)
- Updated styling
- Improved plunger design
- Increased mechanical advantage to allow for lower operating efforts
- Available in single or 3-point actuation for latching versatility

AVAILABLE:

- Locking or non-locking
- Keyed alike
- Wide variety of mounting bracket options available for various applications
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Multi-point actuation or single point
- Zinc or plastic plunger



FINISH:

- Paddle and housing: powder coat in various colors
- Steel components: zinc coat with clear chromate

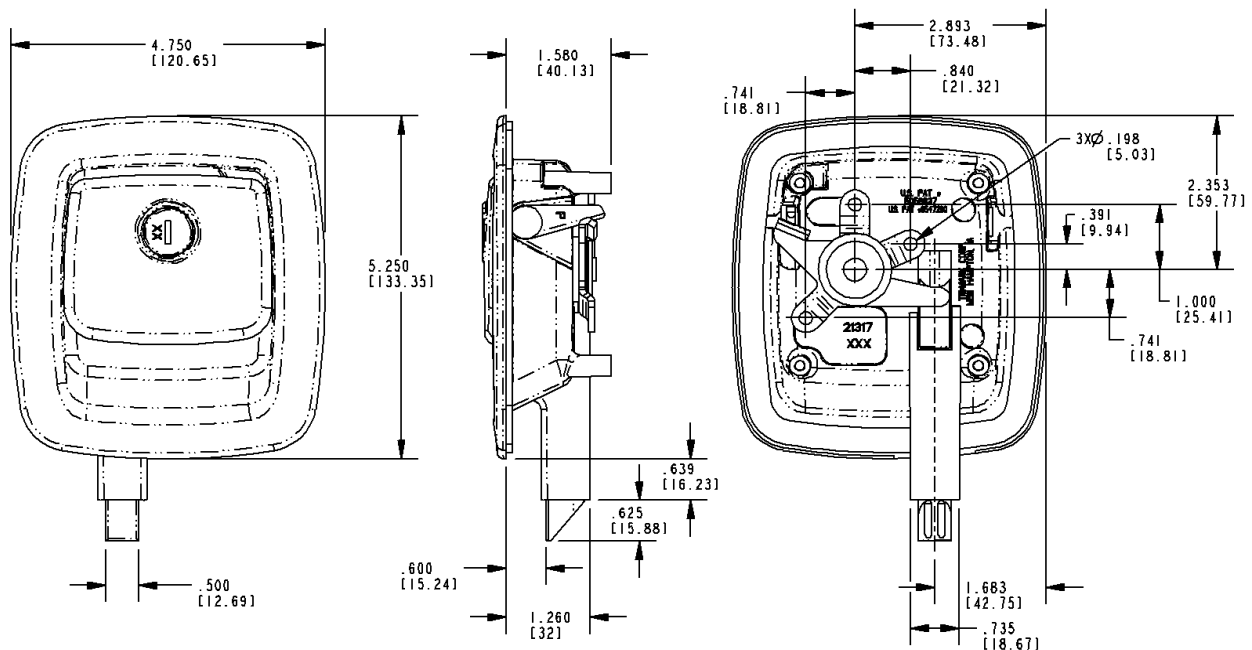
MATERIAL:

- Housing and paddle: die cast zinc
- Pivot plate, axles, pivot arm: steel
- Plunger bolt: plastic or die cast zinc

INSTALLATION:

- Mounts with four (4) #8-32 thread forming fasteners (not supplied)
- Supplied with gasket already applied under recess in housing flange for simple, clean installation

U.S. Patent No. 6,547,290



060-0475 Flush Baggage Door e-LOCK

This baggage door lock was specifically designed for baggage and compartment doors for recreational vehicles including motor homes and travel trailers. It features a modern styled paddle and offers the use of power door lock actuation. It is available with multi-point functionality or as a single point with either a zinc or plastic plunger.

FEATURES/BENEFITS:

- Offers modernized styling
- Allows the use of power door lock actuation
- Large handle provides comfortable finger access and greater ease of operation (ergonomics)
- Single point zinc or plastic plunger or multi-point functionality works with TriMark rotary or plunger latches in doors 1.187" (30.1mm) and thicker
- Multi-point handle can be mounted in vertical or horizontal orientations and is able to actuate latches at the sides and also the top and bottom of the door
- Paddle can be locked before the door is closed (slam action)

FINISH:

- Supplied painted in a low gloss black finish, the product can be easily painted over to match body colors
- Also available copper-nickel chrome plated

MATERIAL:

- Sturdy zinc die cast alloy housing, paddle and plunger
- All parts (axles, pivot arm, pivot plate, lock cam): cold rolled steel with zinc plate, clear chromate for corrosion resistance
- Engineered plastic used for plunger bolt drive end and plunger bolt (when specified) has lower coefficient of friction, reducing closing and operating efforts



AVAILABLE:

- With or without plunger bolt for one or multi-point operation
- Single point version is available with a zinc or plastic plunger
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Housing flange and internal gaskets provided for resistance to water and dirt infiltration
- Linkage rods available for your specific applications

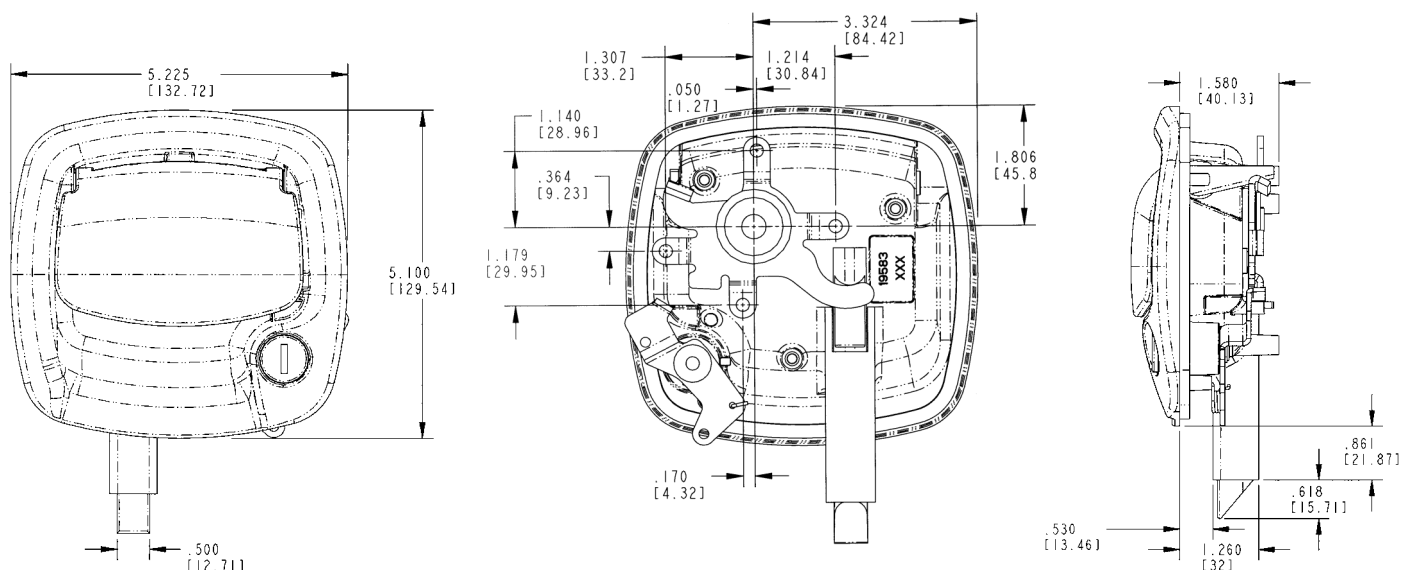


INSTALLATION:

- Handle is easy to install with (3) #8-32 thread forming fasteners (supplied separately)
- Optional mounting bracket and rod allows the power actuator to mount to the handle for ease of installation
- Supplied with gasket already applied under recess in housing flange for simple, clean installation

U.S. Patent No. 7,232,162

U.S. Design Patent No. D519,823

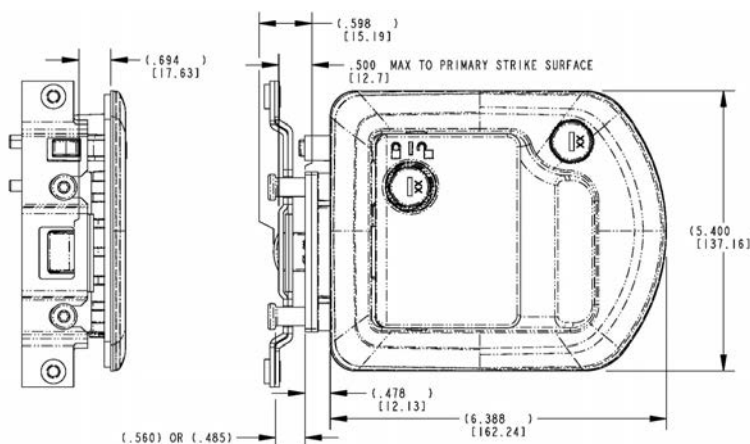


Handles:
Paddle

060-1650 Motor Home Entrance Door Hardware

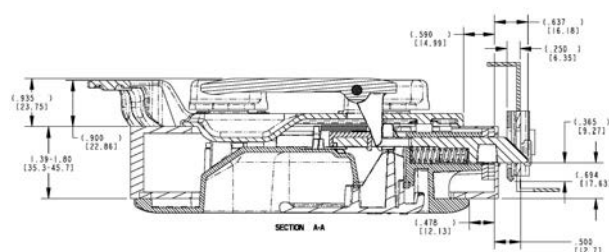
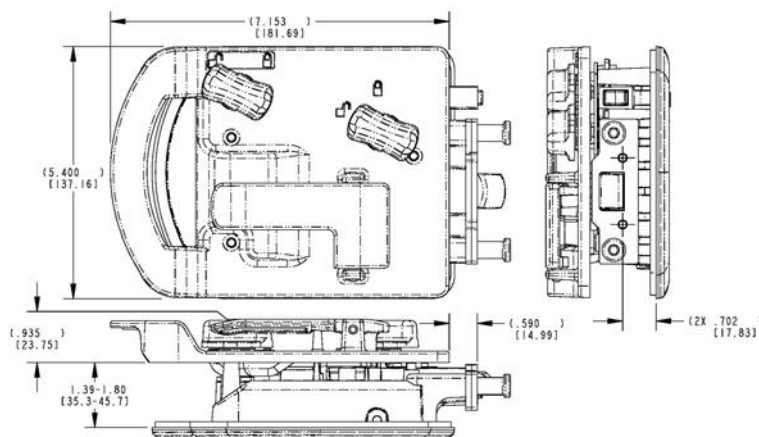
Designed for RV motor home and fifth wheel trailer entrance doors and is a redesign of our 060-0650 Motor Home Entrance Door Hardware. It features easy installation with through sandwich mounting, a low profile plunger style latch which is compliant to FMVSS 206, a built-in dead bolt for additional security and is power lockable.

- Motor home entrance doors with thickness ranging from 1.39" (35.3mm) to 1.78" (45.2mm)
- Different inside handle assemblies are required to facilitate the range of door thicknesses. Please identify when inquiring
- Fifth-wheel trailers, pull-type trailers, and slide-in campers
- Door requiring resistance to water and dirt infiltration
- Universal applications — either right or left-handed



FEATURES/BENEFITS:

- Inside release is low profile (.094") to allow for close fitting screen doors
- Paddle can be locked before door is shut
- Paddle is rigid when locked
- Automotive styling
- Comfortable finger access
- Inside assist with open bail for easy closing
- Can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Built-in deadbolt eliminates the need for add-on residential type deadbolt (deadbolt option)
- Deadbolt locks into the fully extended position for true deadbolt functioning (deadbolt option)
- Ability to be used with power actuation for locking
- Deadbolt cylinder non-removable when locked for added security
- Two different lengths of load pins available pre-assembled



AVAILABLE:

- With optional built-in deadbolt
- Master keyed paddle key cylinder
- Without key cylinders for matching entire vehicle cylinders after installation

FINISH:

- Black powder coated
- Copper-nickel-chrome plated
- Other finishes available upon request

MATERIAL:

- Housing, inside plates, handles, plunger bolt, dead-bolt, locking components including lock knobs: die cast zinc alloy
- Strike plate: heat treated and zinc plated steel
- Load pins and plunger end plates: steel

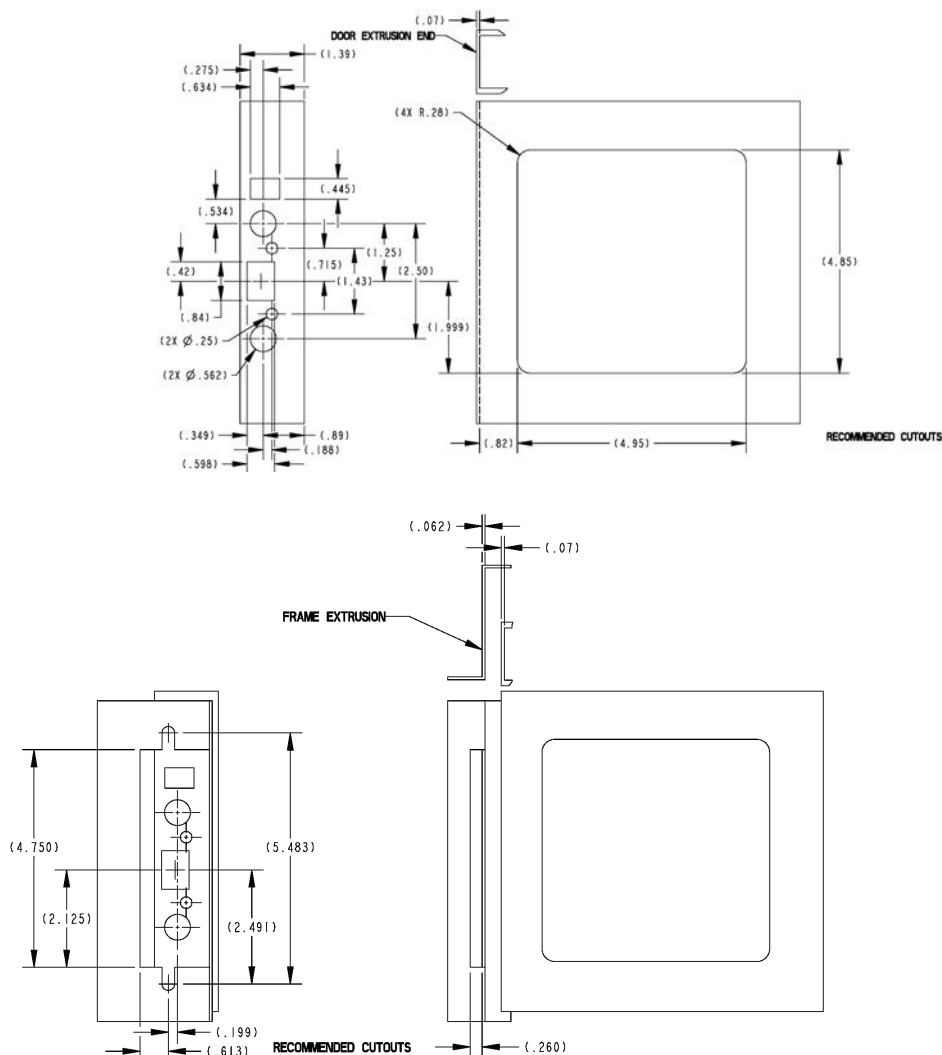
INSTALLATION:

- #10-24 UNC mounting screws not included. Recommended torque 10 in/lbs. (1.1 N-m)
- 1/4-20 UNC grade 5-type fasteners for strike plate installation recommended
- Supplied with gaskets already installed
- Sandwich mount installation does not require any linkage rods
- Power actuators, power actuation mounting brackets and rods are available for optional power actuation of locks. Please inquire.

U.S. Design Patent No. D674,678 / D676,304

U.S. Patent No. 8,733,139

Note that this product complies with FMVSS 206 when tested in accordance with SAE J839 and that this system meets FMVSS 206 loads and locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



020-0700 Flush Pull Handle

This pull handle was specifically designed for compartment and entrance doors for heavy truck, service truck, ambulance, fire/rescue and off-highway vehicles. It offers ergonomic function and styling, is adaptable for power door lock actuation and has a “free-floating” handle when locked.

- Class 7-8 trucks
- Utility bodies
- Off-highway vehicles (light duty)

FEATURES:

- Ergonomic function and styling
- Can be keyed to match common ignition locks (not included—please inquire)
- Paddle is “free-floating” when locked and used with appropriate latch/linking with lock logic
- Adaptable for power door lock actuator
- Interior or exterior applications
- Housing flange and internal gaskets provided for resistance to water and dirt infiltration

MATERIAL:

- Housing: glass reinforced black nylon, brass threaded mounting studs
- Handle: glass reinforced black nylon
- Pivot plate: mild steel



FINISH:

- Black housing, black nylon handle
- Zinc plated clear chromate steel components

AVAILABLE:

- Right and left hand configurations (right hand shown)
- Locking and non-locking

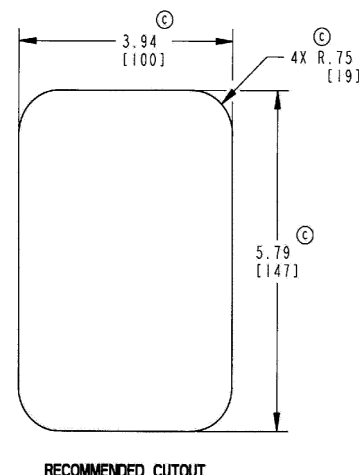
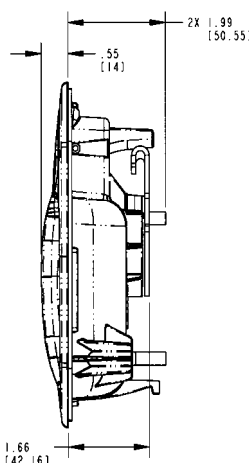
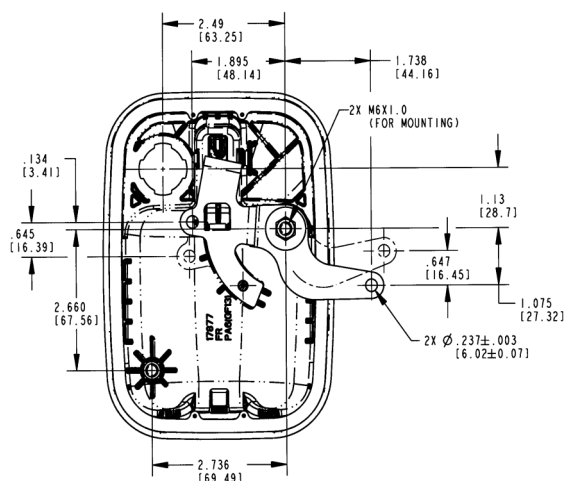
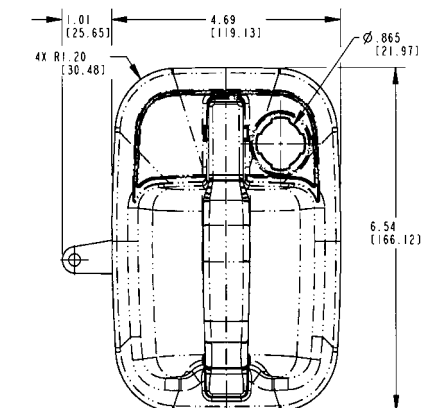
INSTALLATION:

- Easy mounting with (2) M6 nuts
- Recommended mounting fastener torque 30-40 in-lbs (3.3 - 4.4 N-m)
- Either horizontal or vertical orientation
- Non-handed standard mounting bracket (sold separately)

U.S. Patent No. 6,802,544 / 6,805,388

U.S. Design Patent No. D489,957

Note that this 020-0700 Flush Pull Handle complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



020-0750 Flush Mount Pull Handle-Locked Rigid

This flush mount pull handle was specifically designed for compartment and entrance doors for off-highway vehicles. It offers ergonomic function and styling, is adaptable for power door lock actuation and has a "locked-rigid" handle when locked. The design provides for ease of operation by keying alike with other TriMark products with the KeyOne™ Plus lock.

- Light to medium agricultural and construction personnel and compartment doors

FEATURES/BENEFITS:

- Ergonomic function and styling
- KeyOne™ Plus lock cylinder can be keyed alike with most single and reversible key systems
- Paddle is "locked rigid" when locked
- Adaptable for power door lock actuator
- Housing flange and internal gaskets provided for resistance to water and dirt infiltration



AVAILABLE:

- Right and left hand configuration
- Can be keyed alike with most single and reversible key systems
- Locking version



MATERIAL:

- Housing: glass reinforced black nylon, brass threaded mounting studs
- Handle: glass reinforced black nylon
- Pivot plate: mild steel

FINISH:

- Black housing, black nylon handle
- Zinc plated clear chromate steel components

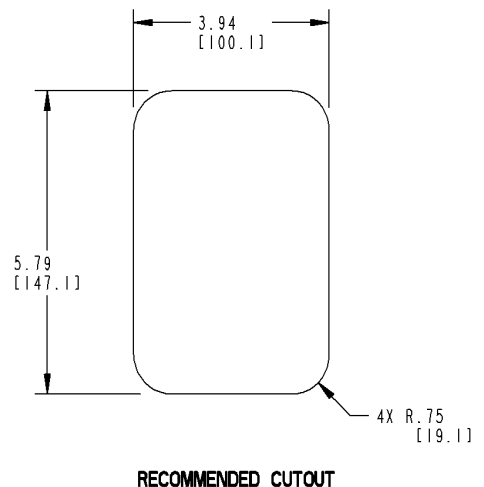
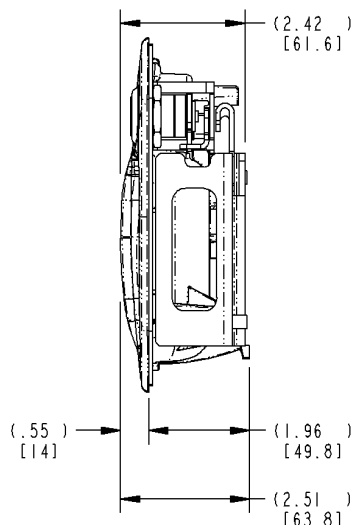
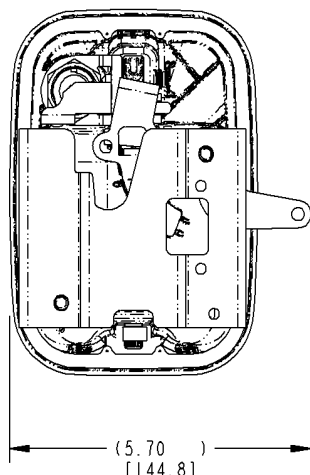
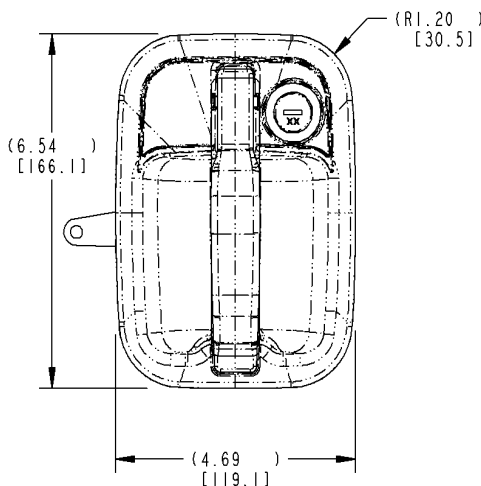
INSTALLATION:

- Easy mounting with (2) M6 nuts
- Recommended mounting fastener torque 30-40 in-lbs (3.3 - 4.4 N-m)
- Either horizontal or vertical orientation
- Non-handed standard mounting bracket (sold separately)

U.S. Patent No. 6,802,544 / 6,805,388

U.S. Design Patent No. D489,957

Caution: Product does not meet the locking requirements for FMVSS 206.



**Handles:
Pull Type**

020-0800 Surface Mounted Pull Handle

Designed specifically for off-highway vehicle applications that require a surface mounted exterior handle. This product allows greater ease of operation (ergonomics) than conventional push button or paddle handles and offers robust construction and rugged styling for a very cost effective price in a new handle category.

- Medium to heavy weight doors for off-highway vehicle applications
- Doors with high door seal loads or applications where a surface mounted pull type handle is more desirable than a push button or paddle handle

FEATURES/BENEFITS:

- Full gloved hand clearance
- Exterior surface mount along with the configuration of the actuator allows for mounting in any orientation
- Provides for greater ease of operation (ergonomics) than conventional push button or paddle handles
- Readily adaptable to a variety of door thickness with adjustable connecting link assembly
- Handle is rigid when locked

MATERIAL:

- Handle: glass reinforced nylon
- Brass threaded inserts



AVAILABLE:

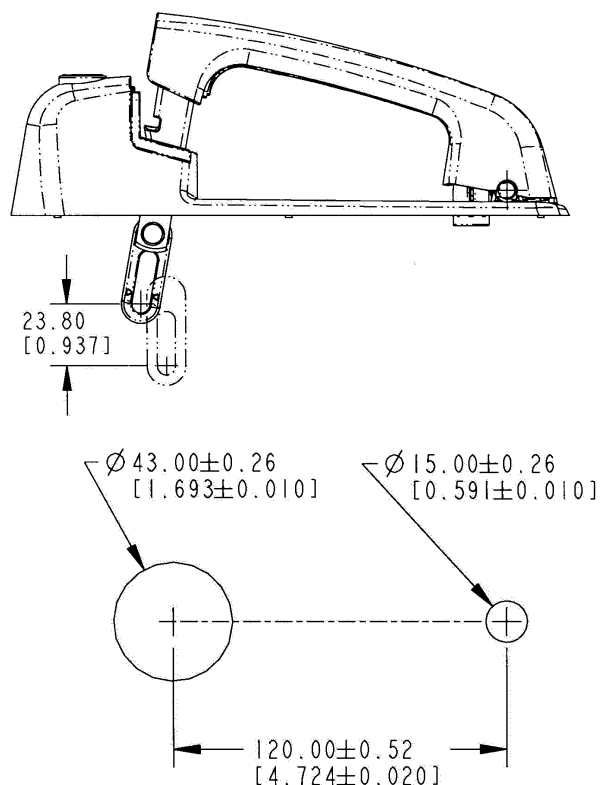
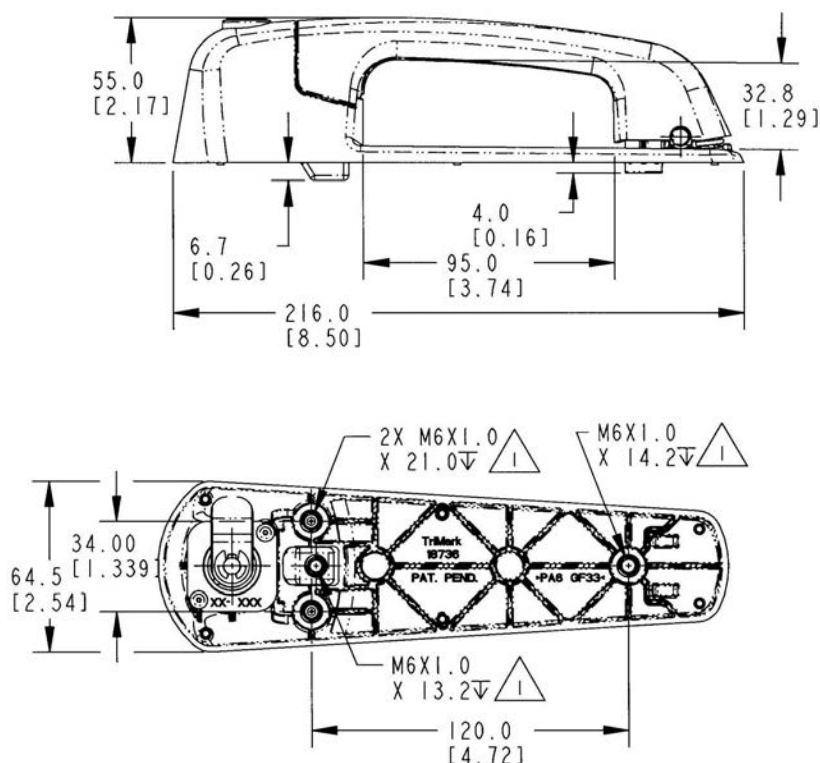
- Can be keyed alike with most single and reversible key systems
- With gaskets and spacers to facilitate mounting and provide resistance to water and dirt infiltration
- Connecting link assembly

INSTALLATION:

- Mounts against glass with only 2 holes or steel with conventional mounting (see recommended hole pattern)
- Installed with (3) M6 X 1.0 bolts (not included)
- Recommended mounting fastener torque to be 5.6 - 6.7 N-m (50-59 lbf-in)

U.S. Design Patent No. D506,377

Caution: Product does not meet the locking requirements for FMVSS 206.



RECOMMENDED GLASS
MOUNTING HOLE PATTERN

020-0850 e-LOCKING Pull Handle

TriMarks' 020-0850 e-LOCKING Pull Handle for off-road applications allows power locking/unlocking via a switch, remote RF FOB or keypad. Based on the proven 020-0800, this robust pull handle brings a new automotive function and convenience to your cabs and enclosures.

- Medium to heavy-duty agricultural and construction personnel doors
- Off-highway vehicle applications that require a direct release surface mounted exterior pull handle

FEATURES/BENEFITS:

- Provides for greater ease of operation (ergonomics) than conventional push button or paddle handles; includes gas-assist molded handle
- Provides the ability to remotely lock the exterior pull handle
- Handle is rigid when locked
- KeyOne™ Plus lock cylinder can be keyed alike with most single and reversible key systems
- Readily adaptable to a variety of door thickness with adjustable connecting link assembly
- PTC overload to protect motor against excessive heating



AVAILABLE:

- With perimeter gasket and spacers to facilitate mounting and provide resistance to water and dirt infiltration
- Non-power locking version



MATERIAL:

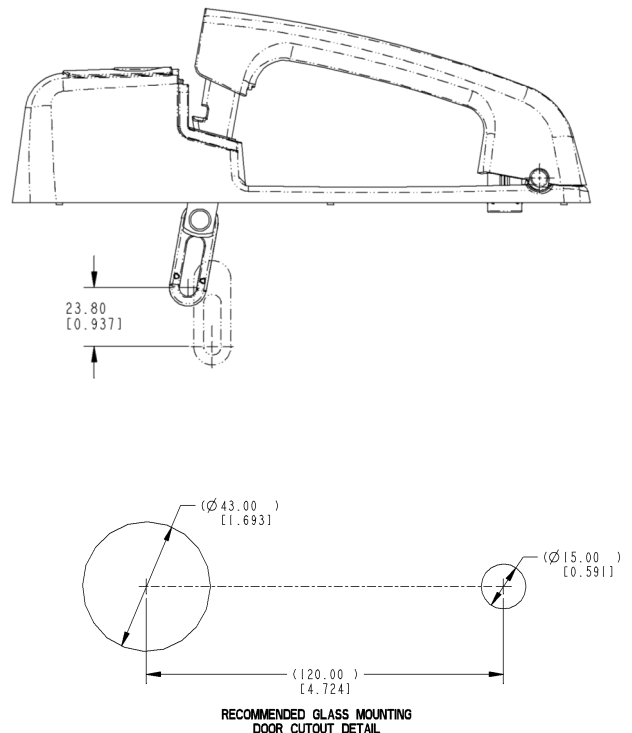
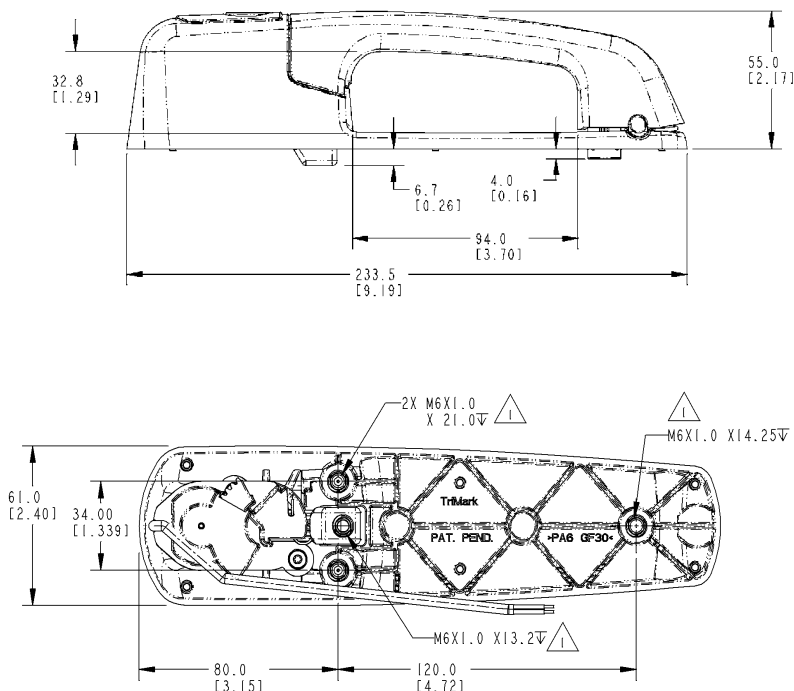
- Handle and base: glass reinforced nylon
- Threaded inserts: brass

INSTALLATION:

- Same mounting pattern as 020-0800 Pull Handle — mounts against glass with only 2 holes or steel with conventional mounting
- Installed with (3) M6 X 1.0 bolts (not included)
- Recommended mounting fastener torque to be 5.6 - 6.7 N-m (50-59 lbf-in)
- Wire length is 200mm
- Connector customization is available

U.S. Patent No. 7,819,440

Caution: Product does not meet the locking requirements for FMVSS 206.



NOTES: UNLESS OTHERWISE SPECIFIED;

1. RECOMMENDED APPLICATION TORQUE TO BE 5.6-6.7 N-m [50-59 LBf-IN].

Handles:
Pull Type

020-1100 Remote Pull Handle

This product is designed for entrance doors on RV and specialty vehicles where it is desirable to have the exterior handle remotely mounted from the inside release and rotary latch. It features a large automotive styled exterior pull handle and latch mechanism and is adaptable for power locking.

- Entrance doors with thickness of 1-1/2" (38.1mm) minimum

FEATURES/BENEFITS:

- Smooth opening/closing action
- Comfortable finger access
- Adaptable for power door lock actuation
- Non-handed design--the pull handle can be mounted in vertical or horizontal orientations
- Molded gasket for flange of housing and paddle leg provides resistance to water infiltration

AVAILABLE:

- Master keyed lock key cylinder
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Non-locking version
- Molded gasket for flange of housing provides resistance to water infiltration



INSTALLATION:

- Easy to install with 4 - #8-32 UNC mounting screws (not included)
- Recommended mounting torque 30 in/lbs (3.4 N-m)

MATERIAL:

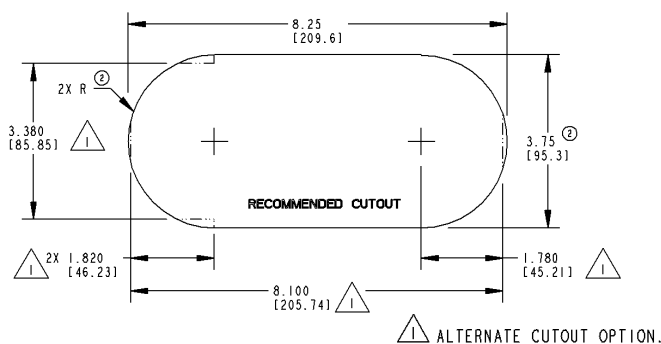
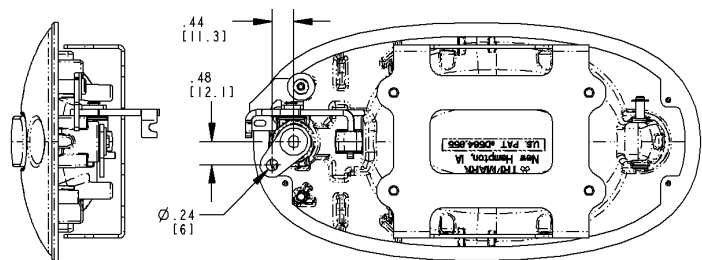
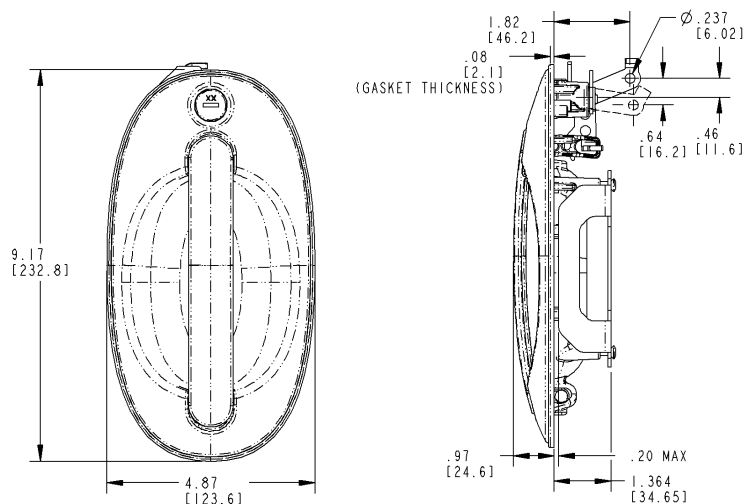
- Sturdy die cast zinc alloy paddle and housing
- Molded gaskets (included)

FINISH:

- Black powder coated housing with black powder coated or chrome plated handle
- Optional chrome plated housing

U.S. Design Patent No. D564,855

Note that this 020-1100 Remote Pull Handle complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



020-1150 Two-Point Free Float Pull Handle

This product is designed for entrance doors on RV and specialty vehicles where it is desirable to have the exterior handle remotely mounted from the inside release and rotary latch. It features a large automotive styled exterior pull handle and is adaptable for power locking.



DESIGNED FOR:

- Entrance and compartment doors with thickness of 2" (50.8mm) minimum

FEATURES/BENEFITS:

- Automotive style pull handle and latch mechanism
- Smooth opening/closing action
- Comfortable finger access
- Adaptable for power door lock actuation
- Non-handed design
- The pull handle can be mounted in vertical or horizontal orientation
- Molded gasket for flange of housing and paddle leg provides resistance to water infiltration

AVAILABLE:

- Master keyed lock key cylinder
- Lock can be keyed to match other TriMark door products with KeyOne Plus for a single-key system, keyed alike or provided non-locking



INSTALLATION:

- Easy to install with (4) #8-32 UNC mounting screws (not included)
- Recommended mounting torque 30 in/lbs (3.4 N-m)

FINISH:

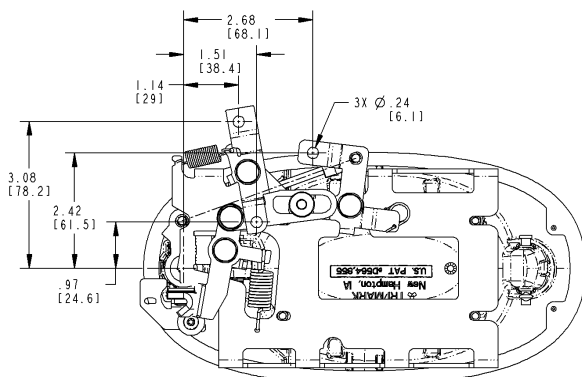
- Black powder coated housing with black powder coated paddle or chrome plated paddle
- Optional chrome plated housing

MATERIAL:

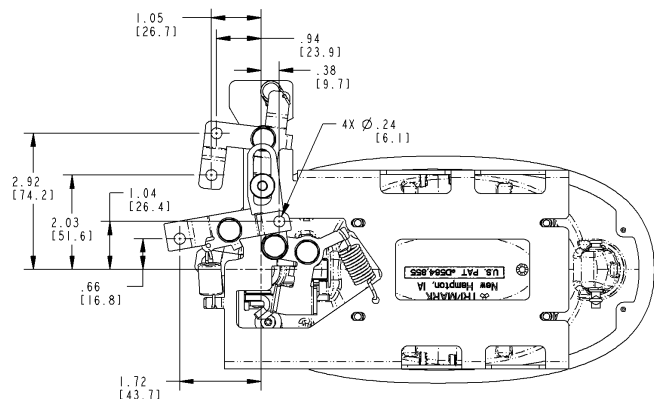
- Sturdy die cast zinc alloy paddle and housing
- Molded gaskets (included)

U.S. Design Patent No. D564,855

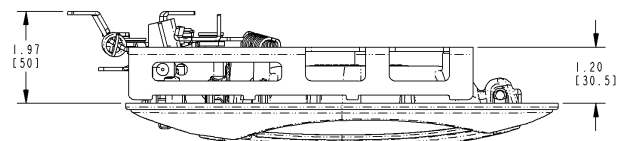
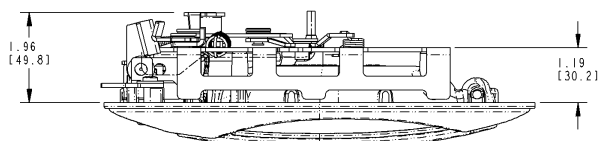
Note that this 020-1150 Two-Point Free Float Pull Handle complies with FMVSS 206 when tested in accordance with SAE J839 and that this product meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



Horizontal Handle Mounting With Horizontal Rod Pull



Horizontal Handle Mounting With Vertical Rod Pull



040-0300 Non-Metallic Push Button Handle

This handle was specifically designed for off-highway vehicle applications that require a surface mounted exterior push button handle. It offers robust construction and ergonomic function in a rugged engineering grade plastic.

- Off-highway applications -- construction, mining, agricultural
- Outside latch release

FEATURES/BENEFITS:

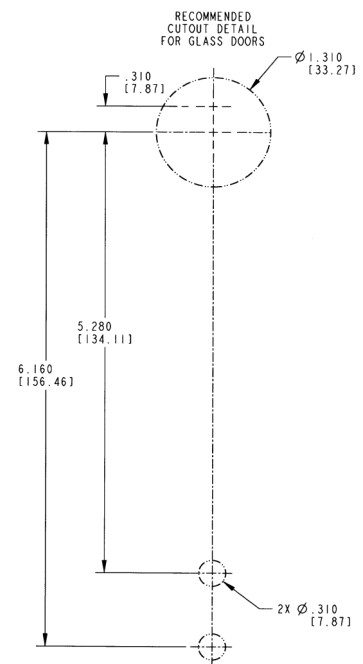
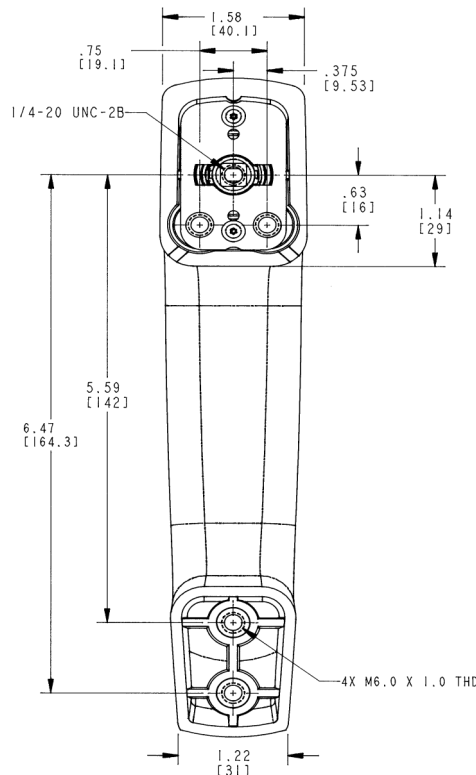
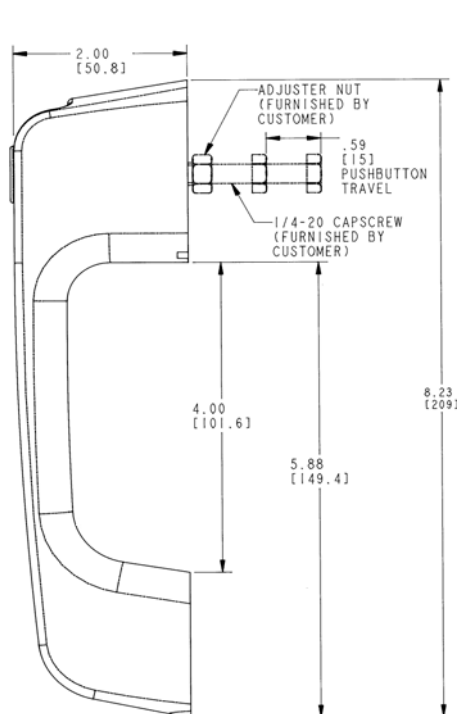
- Frictionless push button seal
- Flow through self-cleaning design
- Readily adaptable to a variety of door thicknesses with a 1/4" diameter capscREW
- Mounts against glass with only 2 holes
- Available keyed alike or keyed random

MATERIAL:

- Glass reinforced nylon
- Brass threaded inserts

INSTALLATION:

- Installed with (3) M6 X 1 bolts (not included)



040-0600 TriMount Push Button Handle

The 040-0600 TriMount Push Button Handle was specifically designed for off-highway vehicle applications that require a surface mounted exterior push button handle with 120mm or 163mm mounting pattern. It is retrofits with most European push button handles and offers robust construction, ergonomic function and styling for a very cost effective price.

FEATURES/BENEFITS:

- Retrofits with most European push button handles
- Universal mounting is available in 3 different mounting configurations: 2 bolt 120mm, 3 bolt 120mm and 2 bolt 163mm mounting
- Frictionless push button seal
- Readily adaptable to a variety of door thickness with an adjustable bolt and nut
- Full gloved hand clearance
- 15.88mm (.625) button travel
- Easy to operate (ergonomics)

MATERIAL:

- Handle: glass reinforced nylon
- Brass threaded inserts



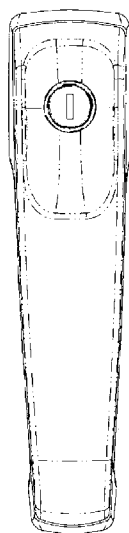
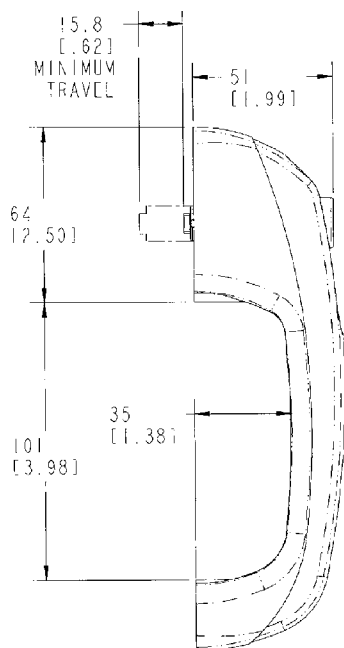
AVAILABLE:

- Can be keyed alike with most single and reversible key systems or non-locking configurations
- Locked rigid or free-floating versions
- With bezels or gasket sets to facilitate mounting and provide resistance to water and dirt infiltration (sold separately)

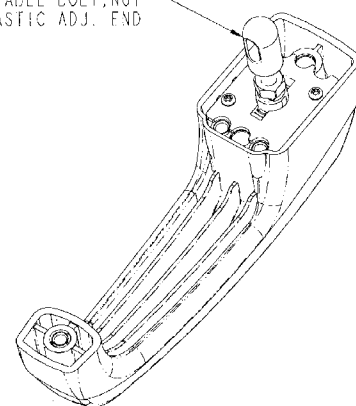
INSTALLATION:

- Installed with (2 or 3) M6 X1.0 bolts (not included)
- Mounts against glass with only 2 holes
- Recommended mounting fastener torque to be 5.6 - 6.7 N-m (50-59 lbf-in)

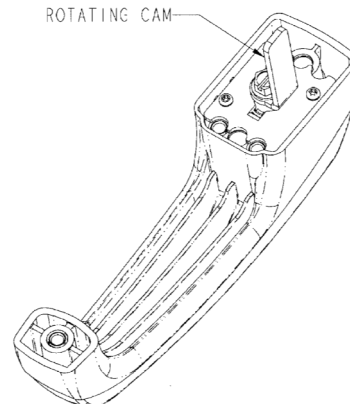
U.S. Design Patent No. D461,391



ADJUSTABLE BOLT, NUT
AND PLASTIC ADJ. END



ROTATING CAM



Handles:
Push Button

040-0700 Lift and Latch Handle

The 040-0700 Lift and Latch Handle is designed to operate on back hoe loader and excavator vertical opening windows for full unobstructed vision. Latching is provided in the 'fully open' or overhead position, and in the 'closed' front latched position. This integrated latching and handle solution features full gloved hand clearance, one-touch action release and slam action retention providing safe and secure operation.

DESIGNED FOR:

- Medium to heavy-duty on-highway vehicle vertical windows where movement up and over is designed

FEATURES/BENEFITS:

- Easy to operate (ergonomics), operator handle is gas injected which gives automotive feel and appearance
- 12mm plunger travel provides secure engagement into window tracks
- Right and left hand configuration is sold as a pair
- Manufactured in injection molded engineered plastic to save weight
- Lower cost compared to zinc die cast versions

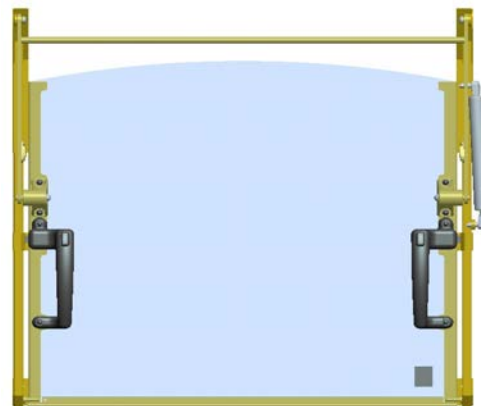
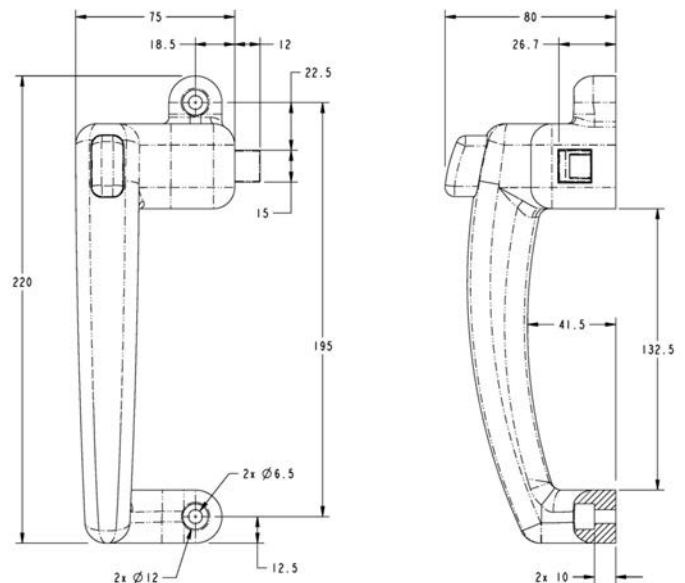
MATERIAL:

- Handle/Plunger: glass reinforced nylon



INSTALLATION:

- Push button handle with 195mm mounting pattern — retrofits with most European up and over handles
- Installs easily with (4) M6 mounting fasteners (not included)



040-I 400 Push Button Center Control

This handle was designed for toppers, lift-gate and baggage doors and features a push button actuation and a two-point bellcrank linkage. Installation is easy with either a threaded panel nut or spring clip.

- Door thickness up to 1/4" (6.35mm)

FEATURES/BENEFITS:

- Push button actuation versus typical twist action
- Durable and weather resistant construction
- Ergonomically shaped finger pull
- Housing flange gasket, push button o-ring and shuttered keyplug for reducing water and dirt infiltration
- Bypass lock mechanism allows push button to free-travel when locked for added security

INSTALLATION:

- 1-1/8" (28.6mm) panel nut to secure escutcheon to the door
- Spring clip to attach linkage to escutcheon

MATERIAL:

- Housing, push button and mounting nut: die cast zinc
- Linkage, finger pull and lock cam: mild steel



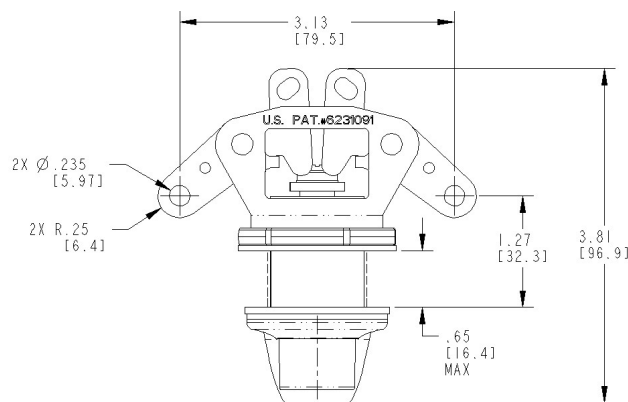
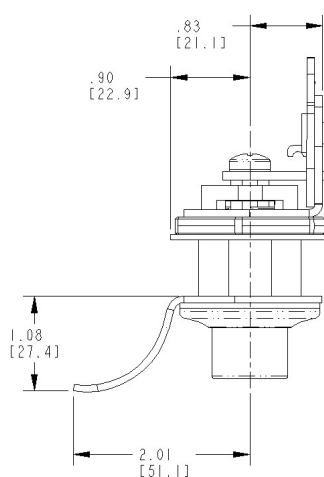
FINISH:

- Escutcheon and finger pull: black powder coated
- Push button: buffed chrome or black powder coated
- Steel components: zinc plated with chromate conversion coating

AVAILABLE:

- Custom finger pulls (please inquire)
- Optional anti-spin washer
- Keyed random. Over 50 key codes available
- Without bellcrank linkage as stand alone push button

U.S. Patent No. 6,231,091



010-0100 Release Lever

Designed for an inside release for the use on L-handles, this product offers a simple low cost handle for use on rotating drive bar applications.

AVAILABLE:

- With 5/16" square hole at 90 degree and 45 degree orientation

MATERIAL

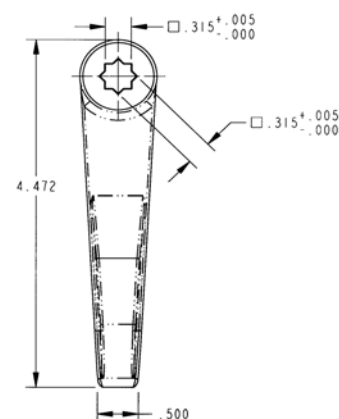
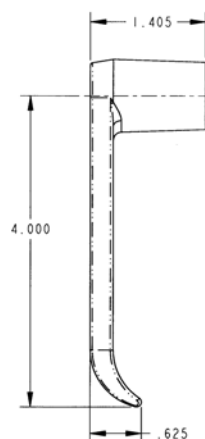
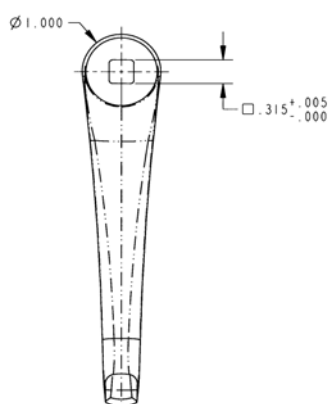
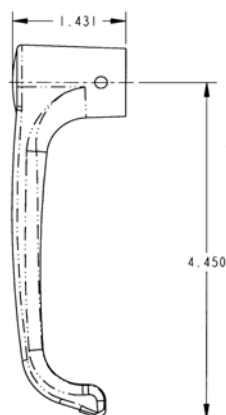
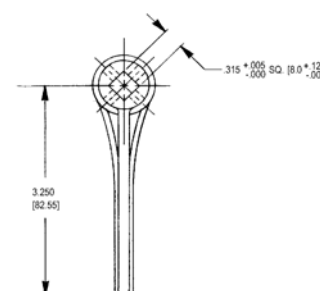
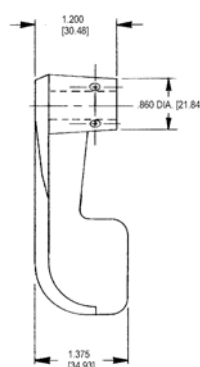
- Die cast zinc alloy

FINISH:

- Mill—un-plated
- Copper-nickel chrome plated
- Black powder coated

INSTALLATION:

- .156" (4.0mm) diameter roll pin (not included)
- 5/16" diameter set screw



010-0200 Non-Locking / 010-0300 Locking L-Handle

Non-locking L handles provide simple interior/exterior rotating handle functions for surface mounted applications.

- General purpose use for off-highway cab doors or storage, compartment and access doors for on or off-highway applications

FEATURES/BENEFITS:

- Ample finger clearance
- Easily installed with oval or flat head No. 10 fasteners (not included)
- Locking L-handle assembly provides 360° rotation and locks at 90° increments

AVAILABLE:

- Mounting hole patterns and escutcheons (bases) for different finger clearances
- Drive bar lengths, with or without holes or threaded rods
- Keyed CH751 and other key codes
- Drive bar attached to handle by drilling and pinning
- Locking or non-locking:
 - Standard finger clearance (Type 1 and 2)
 - Extended finger clearance (Type 4)
 - Low profile (Type 3)
- 1.50 (3.81mm) or 1.75 (4.45mm) mounting hole spacing



FINISH:

- Handle and escutcheon: copper-nickel chrome plated or black powder coated
- Drive bar: mill finish

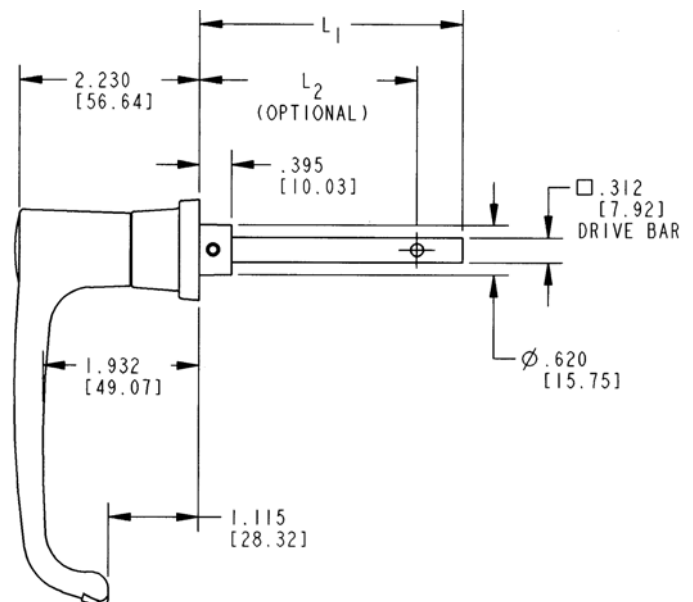
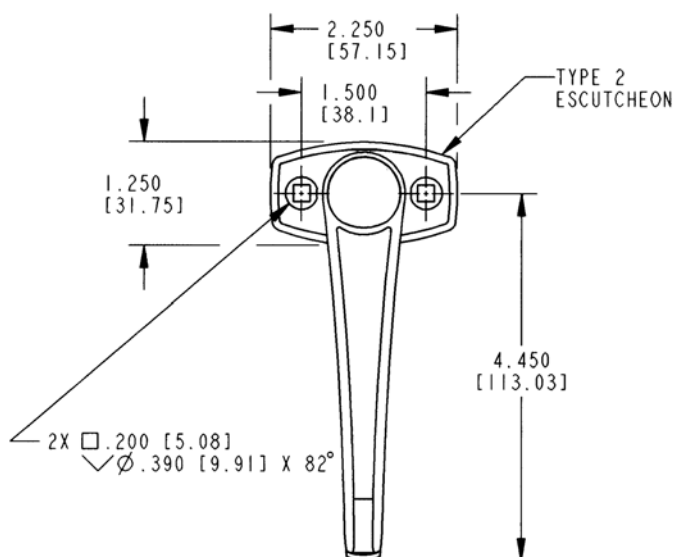
MATERIAL:

- Handle and escutcheon: die cast zinc alloy
- Drive bar: mild steel

SPECIFY WHEN ORDERING:

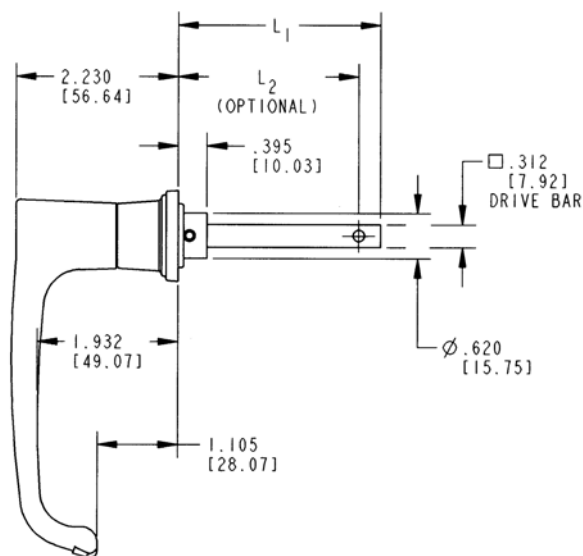
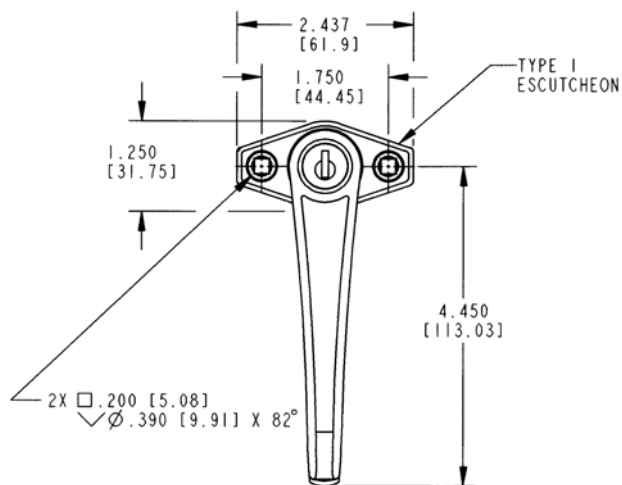
- Series number
- Escutcheon type
- Drive bar length (L1) and optional hole location (L2)

Standard Finger Clearance (Type 1)

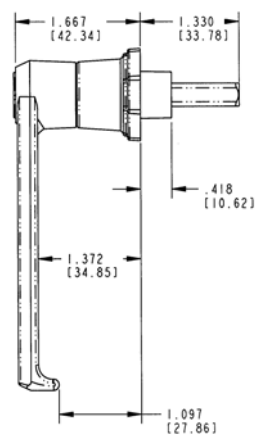
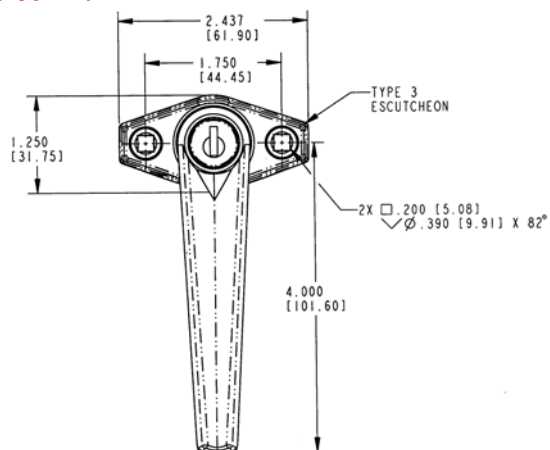


010-0200 / 010-0300 cont.

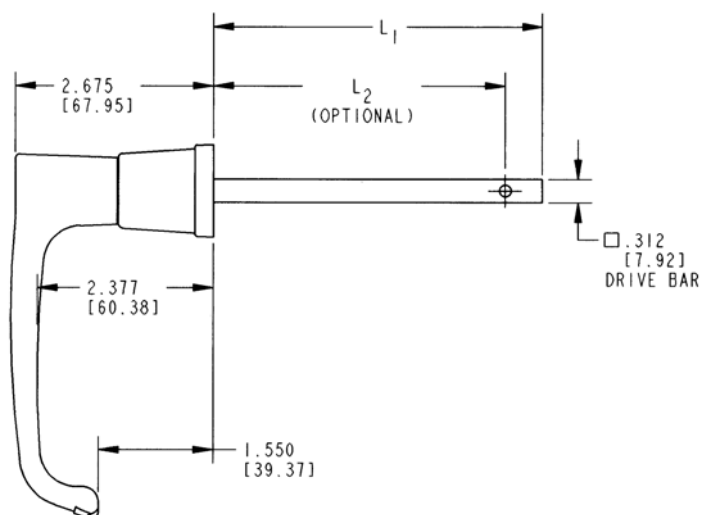
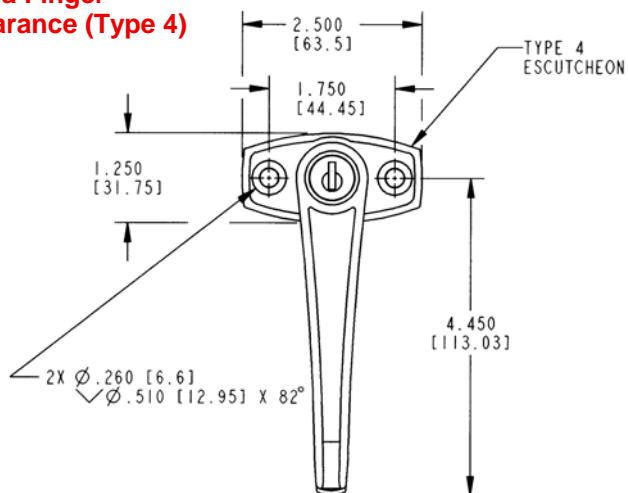
Standard Finger Clearance (Type 2)



Low Profile (Type 3)



Extra Finger Clearance (Type 4)



010-0600 Flush Mounted Pop-Up T-Handle

This handle was designed for toppers, lift gate and baggage doors where 1/4 turn cam locking is desired. It features a low profile handle that pops up when actuated for ease of use and is available in several rotations, drive bar lengths and finishes.

- Garage doors, storage and access doors
- Any application where low profile hardware is important

FEATURES/BENEFITS:

- Flush mounted - when "T" handle is depressed, rivets and fastener heads are concealed
- Rubber gasket under base provides resistance to water infiltration

AVAILABLE:

- Key lockable with 50 key codes available or keyed alike. Non-locking version is also available
- 1 or 2-point locking
- 90° or 150° rotation
- 2.500" (63.5mm) or 3.500" (88.9mm) drive bar lengths
- Clockwise or counterclockwise rotation



MATERIAL:

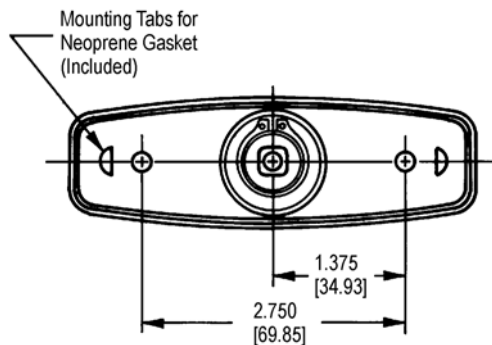
- Shuttered keyway: stainless steel
- All major components: zinc alloy
- Drive bar: zinc plated steel
- Internal (2) springs: stainless steel

FINISH:

- Black powder coated or white

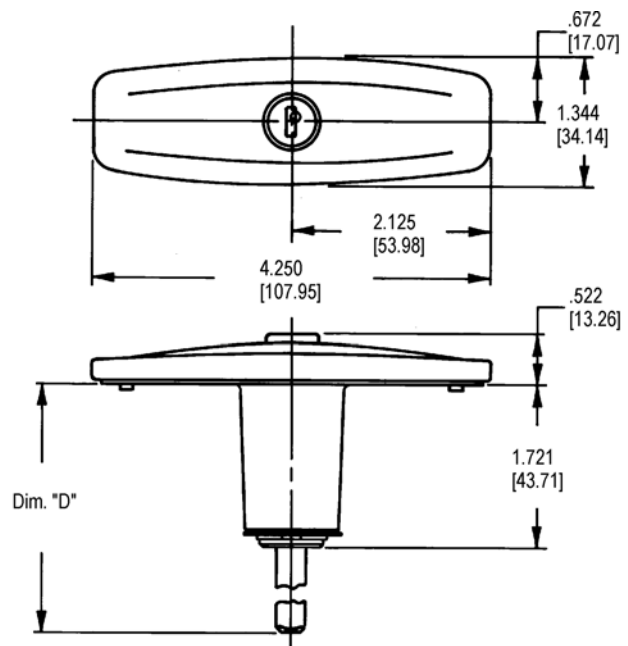
INSTALLATION:

- Easy installation with (2) No. 10 fasteners or rivets
- Recommended door mounting - 1.125 (28.6mm) diameter thru hole



DRIVE BAR CHART Dimension "D"

2.500 [63.5]
3.500 [88.9]



010-0700 Light Duty Compartment Latch

This handle was designed for small compartment and access doors and tool boxes where 1/4 turn cam locking is desired. Available in both locking and non-locking, the non-locking version features a detent function in both the latched and unlatched positions.

AVAILABLE:

- Locking configuration: keys furnished with assembly
- Non-locking configuration: detent in latched and unlatched positions
- 90° rotation

MATERIAL:

- Handle: die cast zinc alloy
- Cam: zinc plated steel



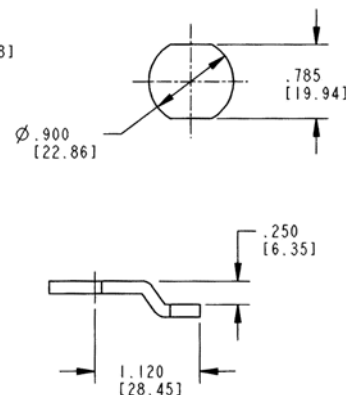
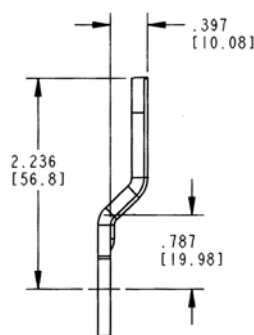
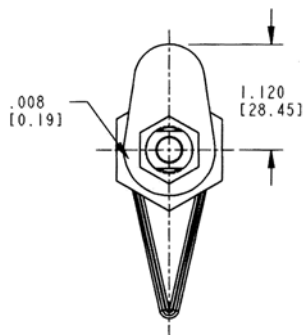
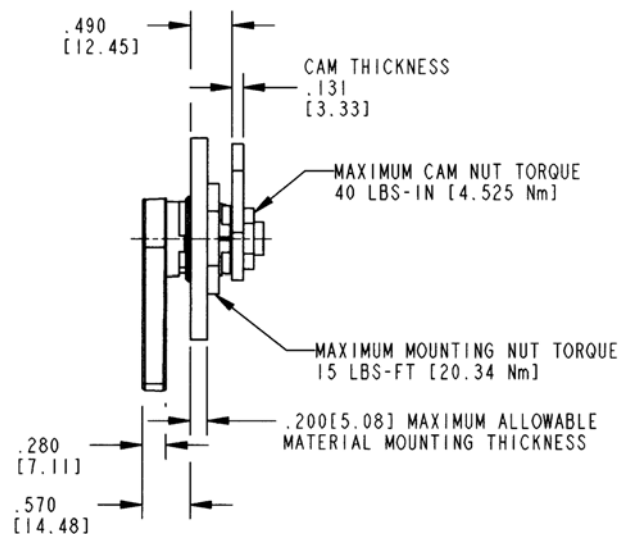
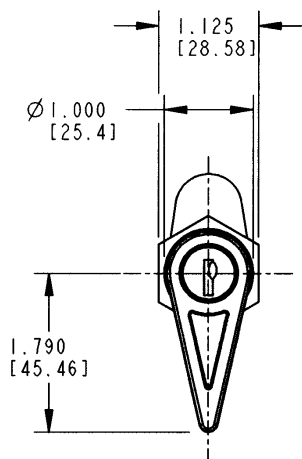
FINISH:

- Copper-nickel-chrome plated
- Black powder coated

INSTALLATION:

- Supplied either fully assembled or bagged with cam and nuts packaged loose
- Removal of cam and 7/8-28 mounting nut is required for installation.

Important: Note maximum nut torque specifications below.



010-1000 Inside Release Handle/Override Wrench

These robust exterior and interior door handles are fabricated from high strength plate steel and feature modular attach/quick detach drive details and offer 1000 hour Cass protection with a soft touch coating.

DESIGNED FOR:

- Entrance and rear door applications for heavy-duty vehicles
- Interior and exterior applications
- Medium to heavy duty doors of 23-455 kg (50-1000 lbs.)

FEATURES/BENEFITS:

- Heavy duty construction

AVAILABLE:

- A variety of sizes and forms available
- Customization features available: Please inquire
 - ♦ Length and forming of handle
 - ♦ Handle materials

MATERIAL:

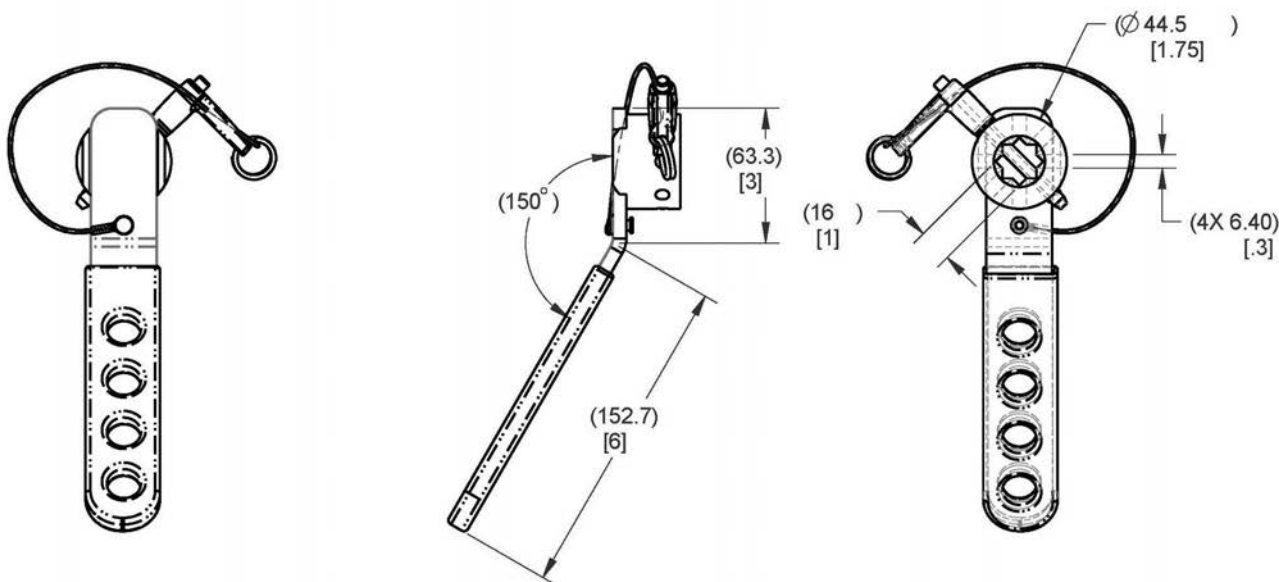
- Standard — high strength steel construction
- Available with advanced lightweight aluminum alloy



FINISH:

- Standard low gloss black powder coated
- Mil-Spec soft grip nylon coated handle
- 1000 hour corrosion protection
- Optional finishes available including: Black Magni™ coating, Tan/Olive CARC paint and Tan/Olive powder coating

U. S. Design Patent No. D596,917 / D615,383 / D615,841



010-1100 TriGuard Heavy-Duty Rotating Handle

This robust exterior L-handle features modular construction that allows for customization, including the use of light weight materials without sacrificing strength. The handle also allows for use of a padlock for security.

- Entrance and rear door application for heavy-duty vehicles
- Interior and exterior applications
- Medium to heavy duty doors of 23-455kg (50-1000 lbs.)

FEATURES/BENEFITS:

- Heavy duty modular construction
- Padlockable for additional security or non-locking versions available
- Modular construction allows for serviceable handle components disassembly

AVAILABLE:

- Standard steel handle version or available with lightweight aluminum handle
- Right or left hand rotation versions available
- Customization features available. Please inquire.
 - ♦ Mounting details—door thickness
 - ♦ Length of handle
 - ♦ Handle materials

MATERIAL:

- Standard — high strength steel construction
- Available with advanced lightweight aluminum alloy handle

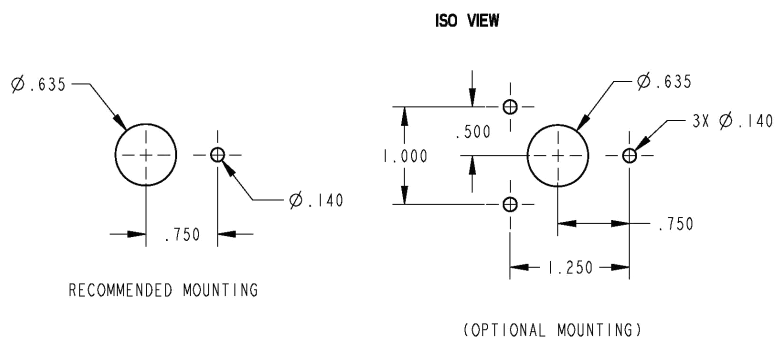
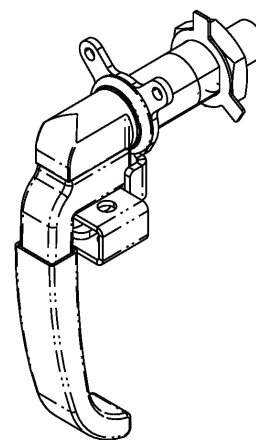
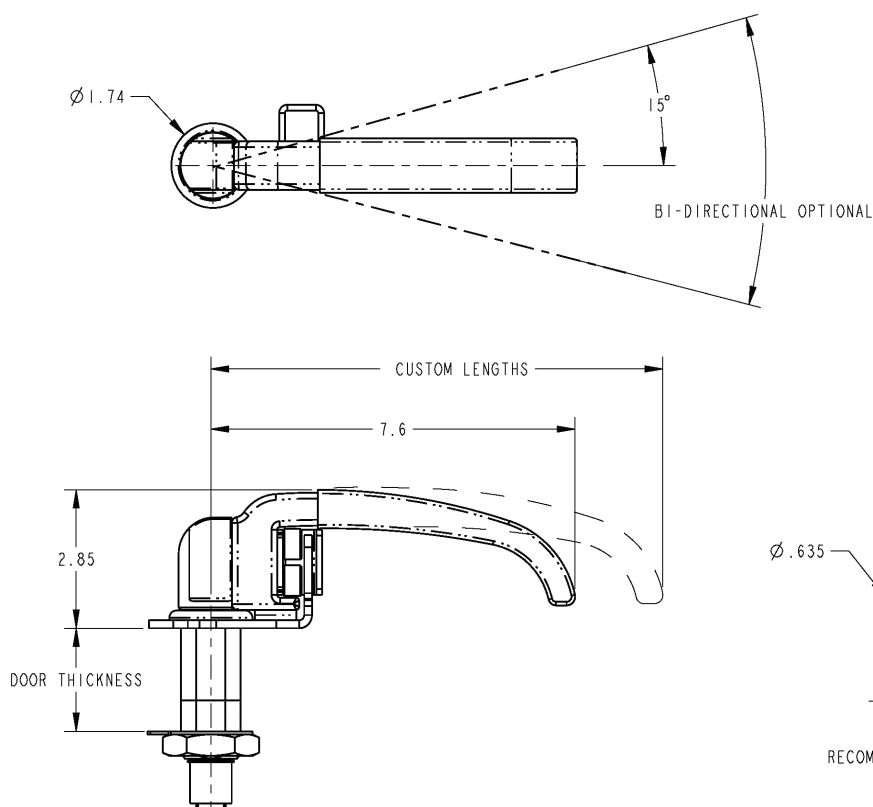


FINISH:

- Standard low gloss black powder coated
- Mil-Spec soft grip nylon coated handle
- 1000 hour corrosion protection
- Optional finishes available including: Black Magni™ coating, Tan/Olive CARC paint and Tan/Olive powder coating

INSTALLATION:

- Easy to install, mounts with single 1.250—20 UN threaded nut
- Tighten to the manufacturers' recommended torque value, however, do not exceed 405 N-m (295 ft-lb)
- Mounting nut and lock washer included



020-0150 Grab Handle

This stylish entry assist handle for RV coaches, motor homes and travel trailers is available with a lighted acrylic bar for safety and convenience.

FEATURES/BENEFITS:

- Offers modern styling with premium look and feel
- Rugged and durable construction
- Perfect interior complement for the 540-0200 Lighted Grab Handle With Keypad (e-GRAB)

AVAILABLE:

- With or without handle rod light
- Handle rod can be personalized with manufacturer's name, model and logo
- Your choice of handle lengths

INSTALLATION:

- Easy to install with (8) 1/4" or M6 fasteners (not supplied)

FINISH:

- High quality polished copper-nickel-nickel chrome is durable and stylish

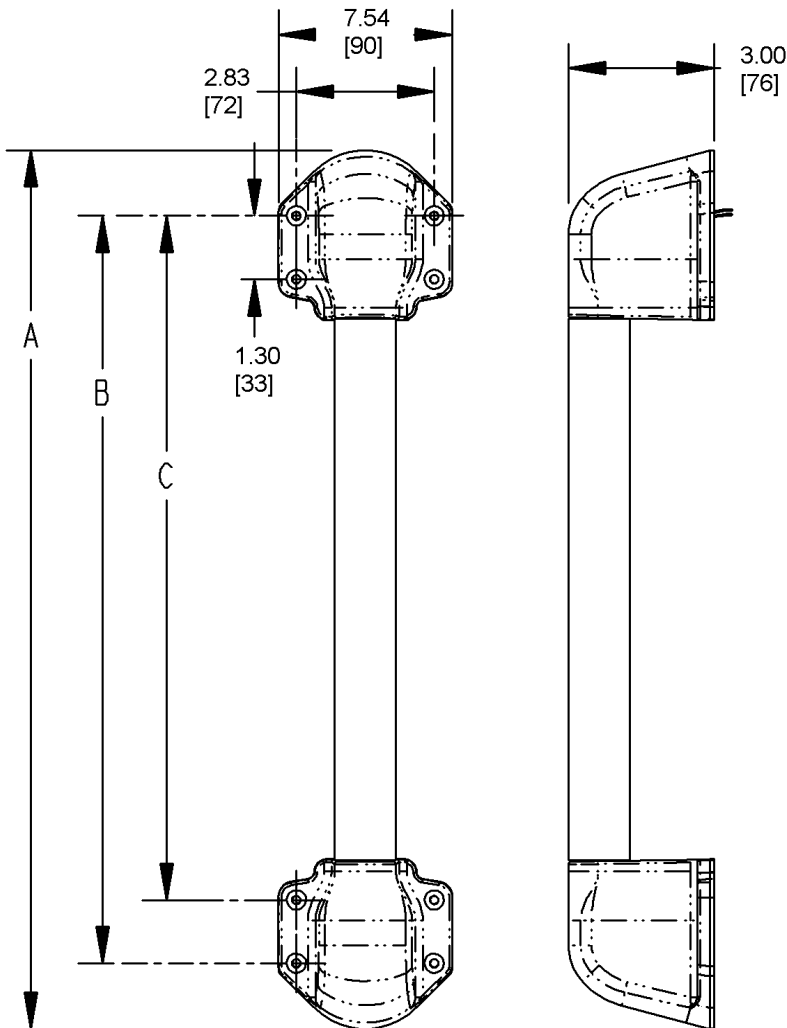
MATERIAL:

- Sturdy zinc die cast alloy mounting end caps
- Cast acrylic rod in clear finish

Design Patent No. D559,653



A	458 [18"]	495 [19.5"]
B	390 [15.3"]	427 [16.8"]
C	357 [14.0"]	395 [15.5"]



020-0900 Remote Inside Release

This product was specifically designed for off-highway vehicle applications including agricultural and construction equipment that require a remote inside release. The robust construction is incorporated into round tubing for support for the opening and closing functions of the door and provides for greater ease of operation (ergonomics) over direct releases.

- Medium to heavy weight doors for off-highway vehicle applications
- Doors where it is desirable to have the inside release remotely located to the latch location



FEATURES/BENEFITS:

- The inside release can be positioned at any point along the tube for convenient location to suit the door/cab design over direct lever releases
- The inside release is connected by a rod to the latch and includes an integrated return spring
- The cam detail in the inside release is reversible allowing the inside release to be actuated in the opposite direction providing flexibility in the product application

AVAILABLE:

- As an inside release sub-assembly for installation into your door tube. (Requires TriMark application assistance and approval.)
- In 25mm steel tubing diameters, painted black
- In different tubing lengths with various inside release positions and 90 degree mounting end
- Inside release with tube is adaptable to several different latch platforms
- Customization is available including formed tubing (please inquire)
- As a complete modular system including exterior handle, direct release latch, latch striker, inside release, gaskets, mounting brackets, latch cover, door tube and all necessary fasteners

INSTALLATION:

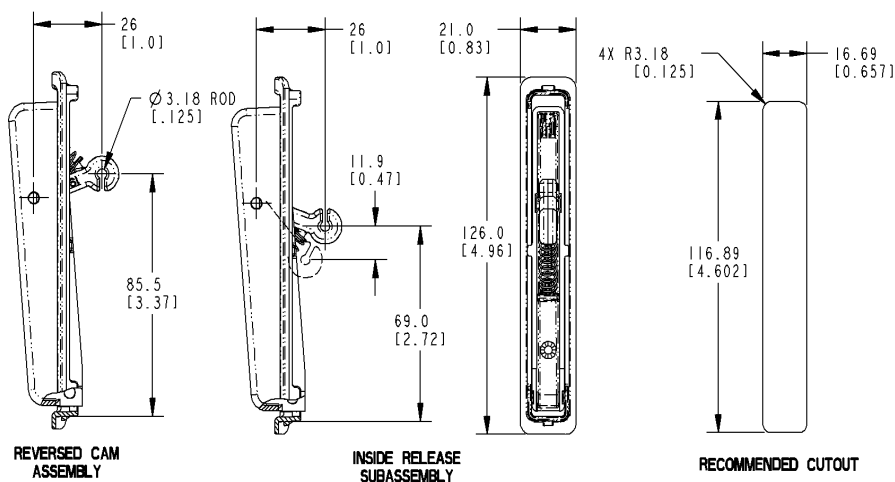
- Tubing assembly - installs with a single M6 X 1.0 bolt. Glass mounting is also possible with available mushroom window fixing designed for 5-6mm glass thickness. Recommended mounting fastener torque to be 3.3 - 4.5 N-m (30-40 lbf-in)
- The inside release sub-assembly installs without tools into the pipe and includes a flange that covers the tubing cutout

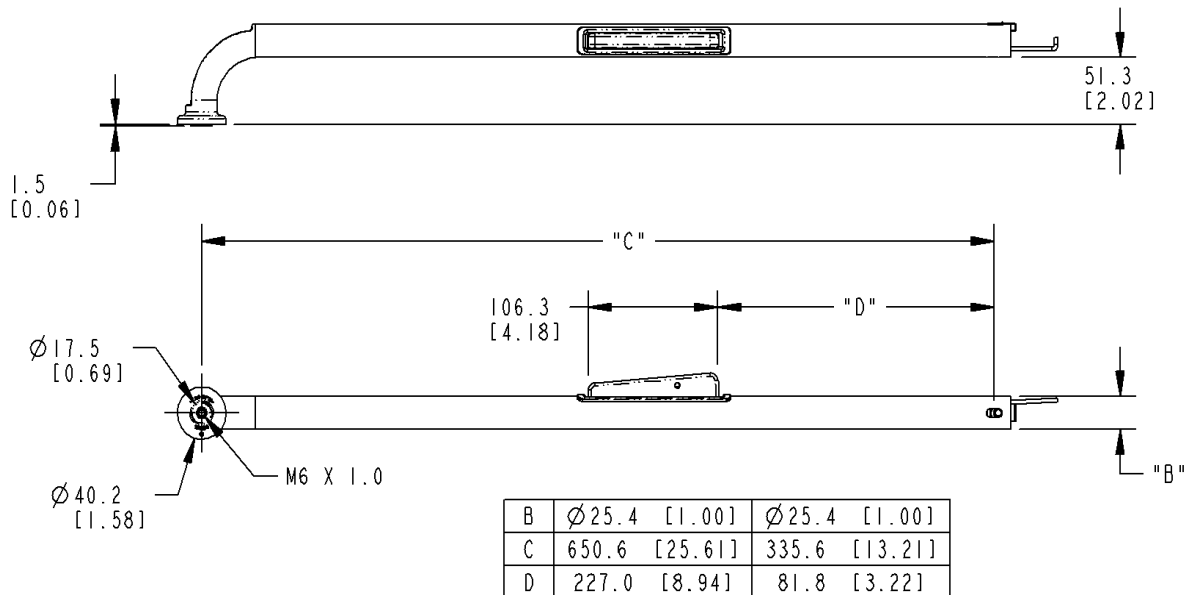
MATERIAL/FINISH:

- Inside release components: glass reinforced nylon
- Tubing: painted steel
- Mounting end: glass-reinforced nylon with brass threaded insert

U.S. Patent No. 7,198,308 / 7,111,879

Caution: Product does not meet the locking requirements for FMVSS 206





090-0201 Push Button Linkage

This linkage is designed for medium to heavy-duty applications for off-highway entrance doors requiring latch location remote from activating push button handle. Available with and without an integrated inside release lever these linkages provides for ease of mounting and applications.

DESIGNED FOR:

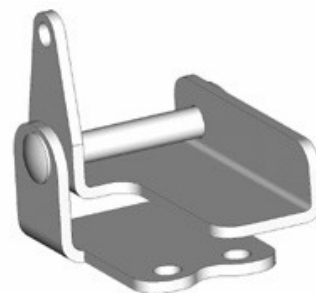
- Off-highway vehicle applications — construction, mining, agricultural, forestry
- Doors requiring latch location remote from activating push button handle

FEATURES/BENEFITS:

- Mounts in doors requiring latch location remote from activating handle
- Some provide an integrated inside release lever

AVAILABLE:

- In right or left hand configurations
- In a variety of bell cranks, with and without an inside release lever



MATERIAL:

- Linkage components: zinc plated, mild steel

FINISH:

- Zinc Plated, clear chromate steel components

Caution: Some linkages do not comply with locking requirements of FMVSS 206

200-0100 Hinge Assembly - Plastic



This glass reinforced nylon leaf style hinge is designed for on or off-highway flush compartment, access doors or hinged windows. It can be surface mounted with grommets and spacers included to facilitate mounting on 5 or 6mm thick glass.

MATERIAL:

- Glass reinforced nylon—black

INSTALLATION:

- Three (3) 8mm flat or oval head mounting screws (not included)

200-0200 Cabinet Hinge

Cabinet hinge is a concealed hinge that surface mounts for ease of installation and totally hidden applications. The concealed hinge action has a rotational axis outside of the physical door (up and out) and provides for flush doors when closed.

FEATURES/BENEFITS:

- Spring-biased over-center detent holds the door in the open position and assists in closing action

MATERIAL:

- Robust, stamped steel construction

FINISH:

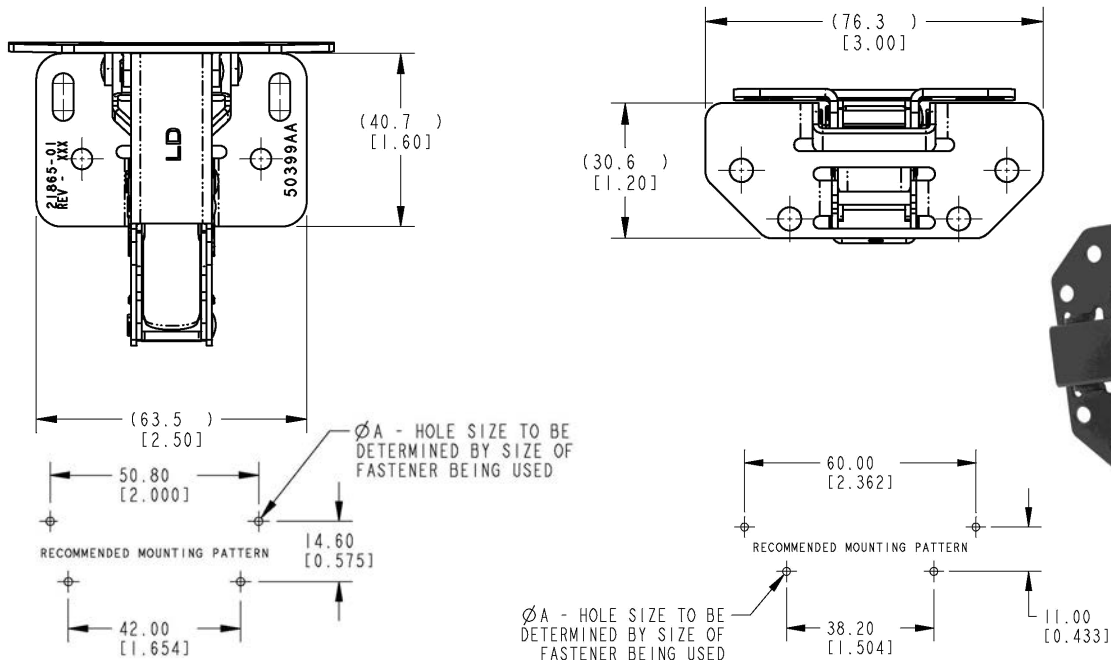
- Black e-coat

AVAILABLE:

- Alternative mounting patterns
- 3 versions:
 - ◇ Light duty 4 ± 1 lbf ($1.8 \pm .45$ kgf)
 - ◇ Heavy duty 33 lbf (15 kgf)
 - ◇ Heavy duty with dampener 33 lbf (15 kgf)
- Application assistance available — please inquire

INSTALLATION:

- Easy installation with (8) #8 or M4 fasteners (not included). Slotted mounting holes allow for tolerance and adjustability.



200-0500 Hinge Assembly

DESIGNED FOR:

- Service truck body doors and all flush compartment or access doors

AVAILABLE:

- Surface mounted design (shown) or with spacers to accommodate offsets

MATERIAL:

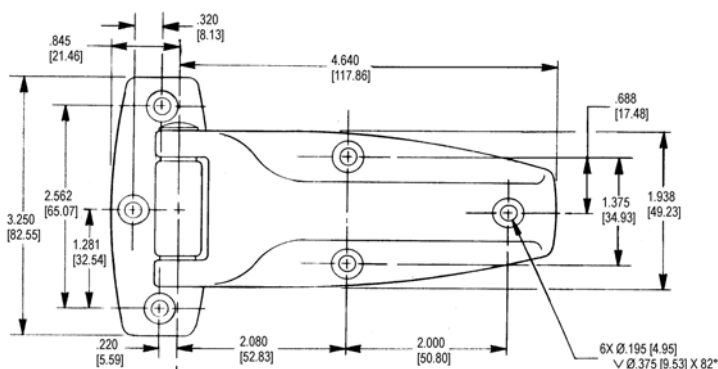
- Die cast zinc alloy
- Stainless steel hinge pin and nylon bushings

FINISH:

- Polished, buffed and copper-nickel-chrome plated
- Clear chromate (ready for paint)
- Electrostatically applied paint or powder coated

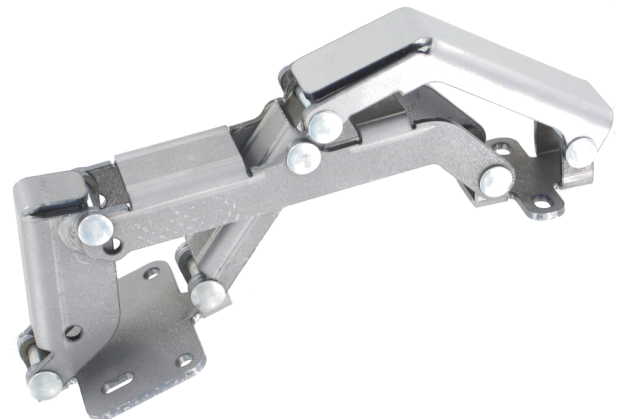
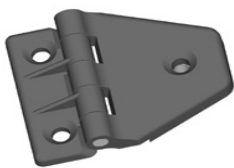
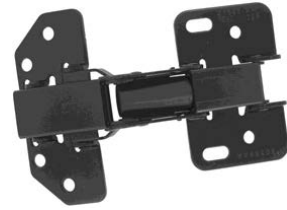
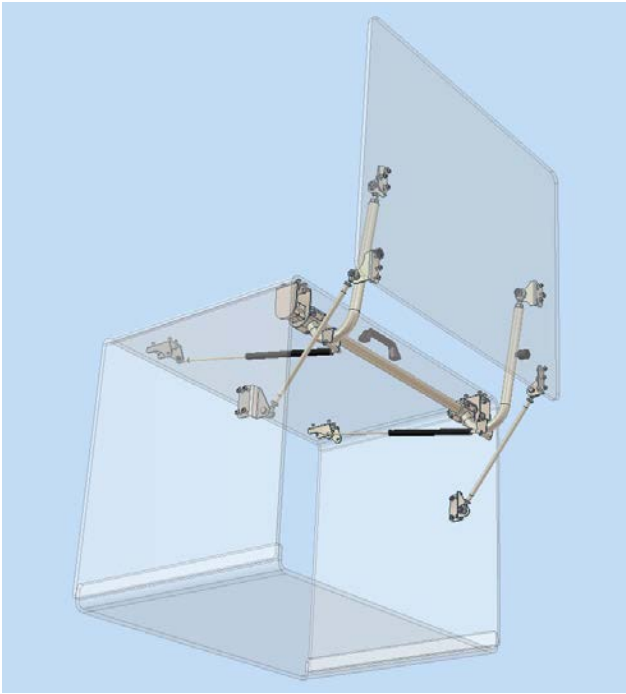
INSTALLATION:

- Six #10 flat or oval head steel mounting screws (not included)



TriMark Hinges — from standard to custom

TriMark manufactures standard and custom hinges for world leading companies in the agriculture, construction, transportation and specialty vehicle markets and beyond. Our experience allows us to produce industrial hinges in plastic, steel and stainless steel materials, to suit light, medium and heavy duty requirements. If a standard off the shelf product will not suffice, we can custom-design and manufacture hinges to your exact specifications



e-ASK System (electronic Access & Security Keyless-entry)



The desire for keyless entry can now be fulfilled in non-automotive vehicle markets just as they can in cars. Increasingly, these vehicles are becoming sophisticated with OEM's incorporating many automotive-like aspects.

TriMark's successful **e-ASK** (electronic Access and Security Keyless-entry) products include keyless entry, power latch release, keyless ignition/start and control of lighting, horns, sensors, and motorized actuators.

TriMark's e-ASK systems are compatible with CAN SAE J1939, RV-C, and other multiplexing protocols.

TriMark's e-ASK Accessories

There are numerous options available to allow the **e-ASK** systems to provide extra value and functionality.

Optional kits can include:

- Wiring harnesses for all connection points of system
- Additional relays
- Switches, door contacts
- Actuators
- Mounting hardware
- Mounting brackets
- Door latches
- Door paddle handles
- Customized wiring harnesses
- Additional FOB transmitters and custom graphics
- Different programming functions allows for customized functionality with **e-FOB** or **e-PAD** outputs including standard mode, cargo mode or sustained mode
- Security system integration
- Multiplexed or discrete communications
- Electronic accessories



500-1000 e-ASK System

Components for this system are sold separately:

TriMark's top level e-ASK system consists of a selection of compatible components that allow for complete keyless entry for on or off-highway vehicle applications. The incorporation of keyless-entry into TriMark mechanical latches, handles and systems provides additional security and convenience for access door systems. This system includes both a touch pad and remote fob transmitter for the ultimate in end user convenience and functionality.

FEATURES/BENEFITS:

- Easy and intuitive to operate
- Rugged and durable construction
- Compliant to on-road, off-road, and industrial environmental requirements
- Increased vehicle security with multiple triggers and outputs
- I/O module with on-board locking and unlocking relays
- Can control up to 20+ entry/compartment doors (expandable)
- Independent control of multiple door zones
- Staggered door control for minimized current draw
- J1939, RV-C communications
- Locking/unlocking confirmation
- Lighting and auxiliary output control
- Ability to provide 4 OEM definable functions from keypad, including ability to unlock one side of motor home baggage doors at a time

- 3 security system inputs (ability to sense entry door(s) and baggage door(s), and other security system devices such as glass break and motion detectors)
- Variable timed light activation output (porch, compartment or interior lighting)

AVAILABLE:

- Standard kit make up includes: 2 pre-trained RF remote fob transmitters, I/O module, and manual
- Optional kit can include: any wiring harnesses for all connection points of system, extra relays, switches, door contacts, actuators, mounting hardware, mounting brackets, door latches, and door paddle handles
- Fob transmitters with independent entry and compartment control
- Fob transmitters with control of auxiliary features
- Vertical and horizontal keypad
- Customized wire harnesses
- Additional fob transmitters
- 2 different programming functions; standard mode, and cargo mode. Standard mode allows for the lock/unlocking of doors plus panic mode and one auxiliary output (controls lighting, opens compartment etc.). Cargo mode allows for the lock/unlocking of main personnel doors plus independent control of many cargo/compartment doors.

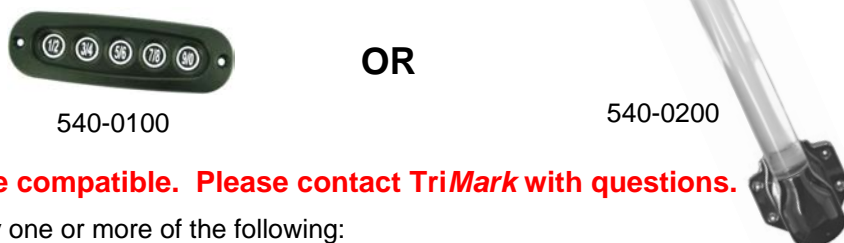
INSTALLATION:

- Standard 12 VDC power
- I/O module is easily installed with (2) 1/4" or M6 screws (not included) and can be mounted in a concealed location

Control Module and e-FOB should be selected



A keypad may be selected



Not all components are compatible. Please contact TriMark with questions.

This product is covered by one or more of the following:

U.S. Patent No. 6,789,003 / 7,034,655 / 7,119,709 / 8,350,669

U.S. Design Patent No. D486,376 / D563,097

500-1100 e-FOB System

This cost-effective, simple, and integrated system offers increased security, convenience and functionality with reduced system installation and lower installation costs for demanding users of RV's, heavy trucks, emergency vehicles, agricultural and construction equipment.

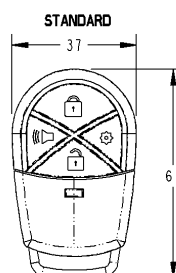
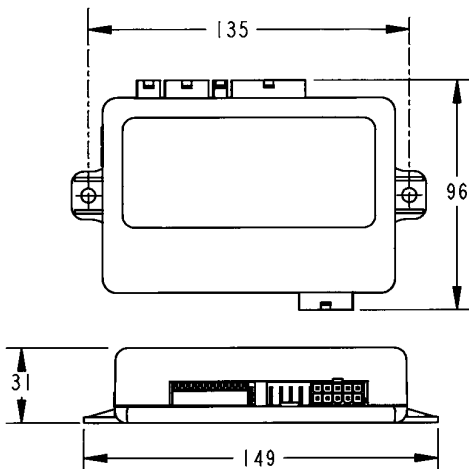
Base system provides added convenience and security via a standard remote radio frequency (RF) transmitter providing automotive convenience to your vehicle.

FEATURES/BENEFITS:

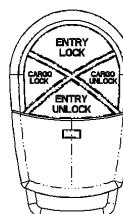
- Keyless-entry security and convenience for access door systems through an electrical interface that includes both a touch pad and remote fob transmitter for the ultimate in end user convenience and functionality
- Easy and intuitive to operate
- Rugged and durable construction
- Compliant to on-road, off-road, and industrial environmental requirements
- Increased vehicle security with multiple triggers and outputs
- I/O module with on-board locking and unlocking relays
- Can control up to 20+ entry/compartments doors (expandable)
- Independent control of multiple door zones
- Staggered door control for minimized current draw
- Multiplexing communications
- Locking/unlocking confirmation
- Ignition controlled auto-locking control
- Starter deactivation available for increased security
- Lighting and auxiliary output control
- Ability to provide 5 OEM definable functions from keypad, including ability to unlock one side of motor home baggage doors at a time

U.S. Patent No. 8,350,669

U.S. Design Patent No.
D563,097 / D590,780 / D589,000



CARGO



- 3 security system inputs (ability to sense entry door(s) and baggage door(s), and other security system devices such as glass break and motion detectors)
- 3 variable timed light activation output (porch, compartment or interior lighting)

AVAILABLE:

- Standard kit make up includes: 2 pre-trained RF remote fob transmitters, RF receiver, 14 wire harness, 10 wire harness, 2 wire harness, push button switch, and LED assembly key rings and manual
- Optional kits can include: any wiring harness for all connection points of system, extra relays, switches, door contacts, actuators, mounting hardware, mounting brackets, door latches, and door paddle handles
- With security system integration
- Customized wire harnesses
- Multiplexed or discrete communications
- 2 different functions; standard and cargo mode. Modes provide customized remote fob transmitter use. Standard mode allows for the lock/unlocking of doors plus panic mode and one auxiliary output (controls lighting, opens compartment etc). Cargo mode allows for the lock/unlocking of main personnel doors plus independent control of many cargo/compartment doors. Sustained mode allows for the lock/unlocking of doors plus continuous output control with lower buttons pressing.

e-FOB

- Reliable radio frequency (RF) transmission
- High security with code hopping technology
- Compliant to FCC-Part 15 and EU RF requirements
- 4-button standard fob (other configurations available)
- Customized graphics possible (buttons and logos)
- Can add up to 4 fob transmitters to vehicle

e-ASK:
(RF)

101

5 I/O-0250 e-ASK CAN IO and RF Module

Keyless-entry security and convenience for access door systems through an electrical interface that includes both a keypad and remote fob transmitter for the ultimate in end-user convenience and functionality.

DESIGNED FOR:

- TriMark's e-ASK systems consist of a selection of compatible components that allow for complete keyless entry for on and off-highway vehicle applications
- Incorporation into TriMark mechanical latches and handles by providing keyless entry, security and convenience for access door systems through a RF remote fob electronics
- Integration to existing or independent SAE J1939 or other CAN based multiplexing buses
- SAE J1939 and other multiplexing protocols

FEATURES/BENEFITS:

- Rugged and durable construction
- Compliant to on-road, off-road, and industrial environmental requirements
- Designed with on-board relays
- Variations for single or multiple door control
- Staggered outputs for minimized current draw
- Water proof (IP 67) and non-water proof versions available
- Compatible with 433 MHz Radio frequency (RF) remote transmitter fob
- Compliant to FCC, IC, and EU RF requirements
- Available with security system, lighting control, keypad connectivity, ignition connectivity, and other auxiliary device control
- Customizable via various hardware configurations or software modifications

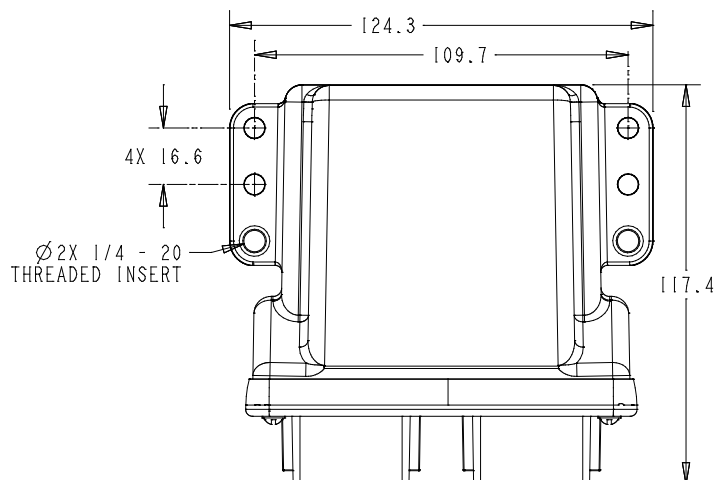


AVAILABLE:

- Customized kits can include water proof door modules, dash mount IO modules, keypads, RF transmitter, wiring, power lock actuators and other security system accessories

Compliant to SAE J1939 CAN and other multiplexing protocols

U.S. Patent No. 6,789,003 / 7,034,655 / 7,119,709 / 8,350,669



530-0100 e-FOB Transmitter

DESIGNED FOR:

- Replacement components of TriMark's e-ASK systems

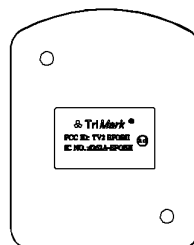
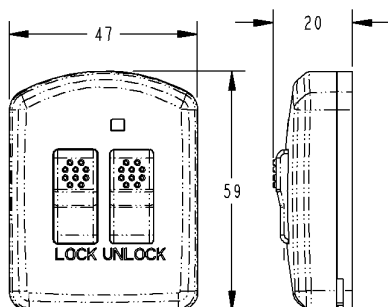
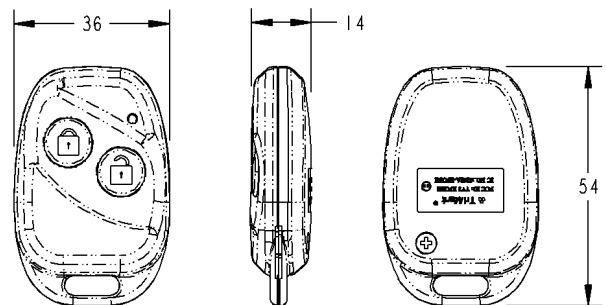
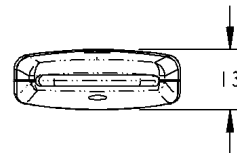
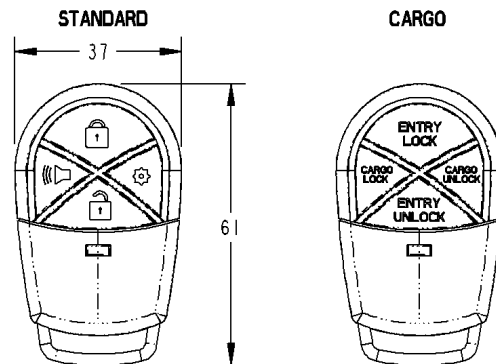
INSTALLATION:

- e-FOB receiver is easily installed with (2) #6 or M3 screws (not included) and can be mounted in a concealed location
- Standard 12 VDC power

AVAILABLE:

- 3 different programming functions; standard mode, cargo mode and sustained mode. Modes provide customized remote fob transmitter use.
 - ◇ Standard mode allows for the lock/unlocking of doors plus panic mode and one auxiliary output (controls lighting, opens compartment etc.).
 - ◇ Cargo mode allows for the lock/unlocking of main personnel doors plus independent control of many cargo/compartment doors.
 - ◇ Sustained mode allows for the lock/unlocking of doors plus continuous output control with lower buttons pressing.
- 4-button standard and cargo fob, 2-button fob, and wall mount
- Customized graphics possible (buttons and logos - please inquire)

U.S. Design Patent No. D563,097 / D590,780 / D589,000



540-0100 e-PAD Keypad

This cost-effective, simple, and integrated system offers increased security, convenience and functionality with reduced system installation complexity and lower installation costs for demanding users of RVs, heavy trucks, emergency vehicles, agricultural and construction equipment.

FEATURES/BENEFITS:

- Increased end user convenience
- Easy and intuitive to operate
- Rugged and durable construction
- Compliant to on-road, off-road, and industrial environmental requirements
- Can control numerous entry/compartament doors
- Independent control of multiple door zones
- Tactile, visual, and audio feedback
- Over 3000 code combinations with tamper lock-out feature
- Lighted keypad for more effective night time usage
- Vertical and horizontal orientations
- 5 user codes can be assigned
- Multiple layer code control



AVAILABLE:

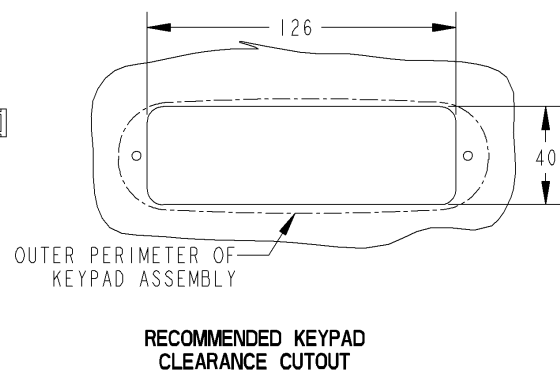
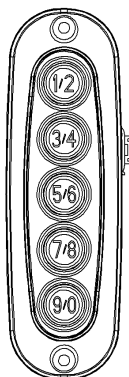
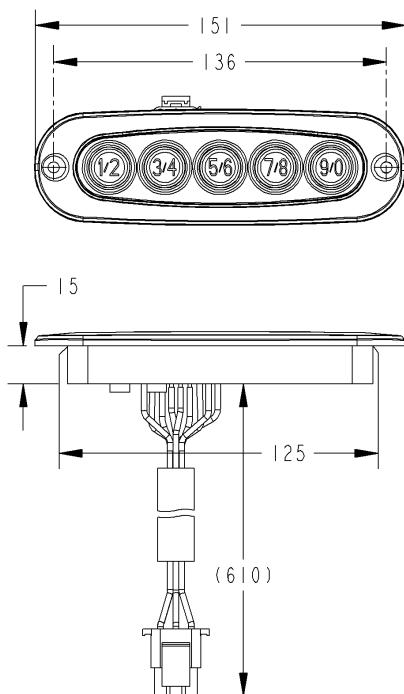
- With e-FOB remote transmitter integration
- With security system integration
- Vertical and horizontal keypad
- Complete kit with wire harnesses and other accessories
- Customized wire harnesses
- Multiplexed or discrete communications protocol

INSTALLATION:

- Keypad is easy to install with (2) #8 or M4 flat head screws (not included)
- Can be installed in a wide range of locations in door - either horizontal or vertical orientation
- Standard 12 VDC power
- Output of the keypad is internally regulated, but still requires a 5-Amp or 7.5-Amp fuse protecting the branch of the circuit dedicated solely to this keypad

U.S. Design Patent No. D486,376

U.S. Patent No. 7,034,655



540-0125 e-PAD Keypad With Relays

TriMark's e-ASK systems consist of a selection of compatible components that allow for complete keyless entry for on-highway vehicle applications

FEATURES/BENEFITS:

- Easy and intuitive to operate
- Rugged and durable construction
- Compliant to on-road environmental requirements
- Tactile and audio feedback
- Over 3000 code combinations with tamper lock-out feature
- Vertical and horizontal orientations
- 5 user codes can be assigned
- Multiple layer code control
- 12V high current relay outputs
- Stand-alone keypad
- Gasket provides resistance to water and corrosion



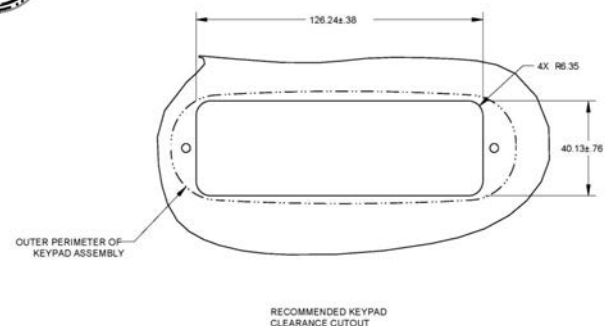
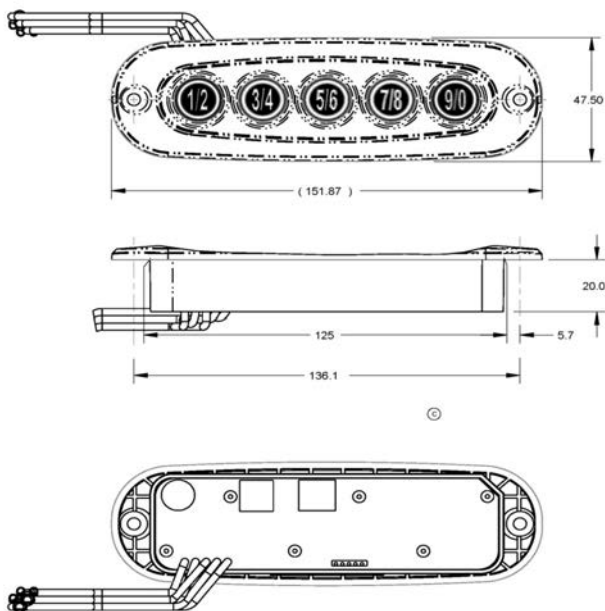
AVAILABLE:

- Vertical and horizontal keypad
- Lighted keypad—optional
- Complete kit with wire harnesses and other accessories
- Customized wire harnesses

INSTALLATION:

- Keypad is easy to install with (2) #8 or M4 flat head screws (not included)
- Can be installed in a wide range of locations in door - either horizontal or vertical orientation
- Standard 12 VDC power
- Gasket provided

U.S. Design Patent No. D486,376



540-0150 RF e-PAD

This keypad provides cost-effective and simple power door lock/door latch control as a part of an RF keyless entry and alarm system. The keypad and RF system provides increased security and convenience to minimize system and installation cost. Demanding users in the travel trailer, tool box, and low end motorized RV market will appreciate the high-end functionality at a value price.

FEATURES/BENEFITS:

- Increased end user convenience
- Integrated part of an RF keyless entry and/or security system
- Easy and intuitive to operate
- Rugged and durable construction
- Compliant to on-road environmental requirements
- Tactile and audio feedback
- Over 3000 code combinations with tamper lock-out feature
- Vertical and horizontal orientations
- 5 user codes can be assigned
- Multiple layer code control
- Simple wireless installation



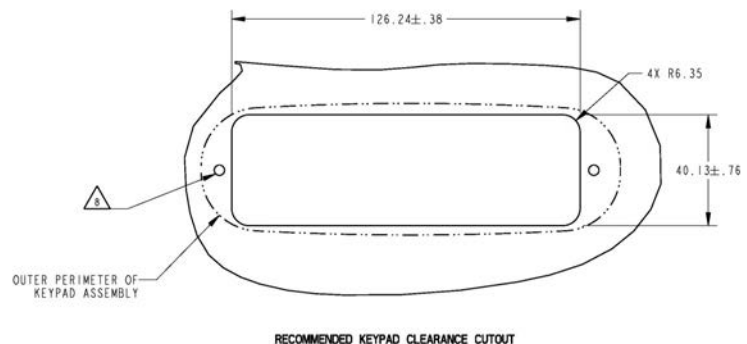
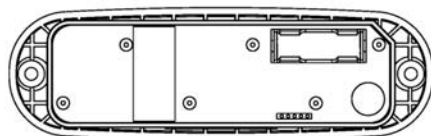
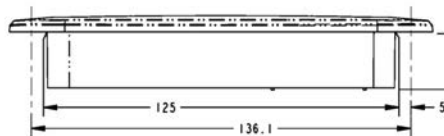
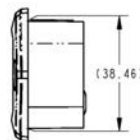
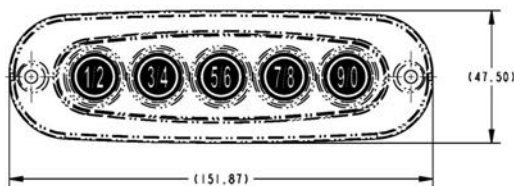
AVAILABLE:

- Vertical and horizontal keypad
- Programmable to TriMark RF products

INSTALLATION:

- Keypad is easy to install with (2) #8 or M4 flat head screws (not included)
- Can be installed in a wide range of locations in door - either horizontal or vertical orientation
- Power with internal 12 VDC battery

U.S. Design Patent No. D486,376



540-0200 Lighted Grab Handle With Keypad (e-GRAB)

This product incorporates TriMark's e-ASK keypad into a stylish entry assist handle for RV coaches, motor homes and travel trailers. Offering increased end user convenience with high end look and feel, the grab handle provides keyless entry, security, and convenience through a keypad electronic interface. Integration of an optional doorbell is available.

- Incorporation with TriMark mechanical latches, handles and systems by providing keyless entry, security, and convenience for access door systems through a keypad electronics interface

FEATURES/BENEFITS:

- Increased end user convenience
- Offers modern styling with high end look and feel
- Rugged and durable construction is environmentally sealed for long life
- Lighted keypad and handle rod for more effective night time usage
- Tactile, visual and audio feedback with the ability to control the handle rod LED light also
- Can control numerous entry/compartments doors with independent control of multiple door zones

AVAILABLE:

- CAN multi-plex or discrete e-PAD Keypad (Reference platforms 540-0100 and 500-1000 for additional information)
- With or without door bell feature
- Handle rod can be personalized with manufacturer name, model, logo etched
- Complete kit with wire harnesses and other accessories
- With e-FOB remote transmitter integration
- With security system integration

FINISH:

- High quality polished copper-nickel-nickel chrome is durable and stylish

MATERIAL:

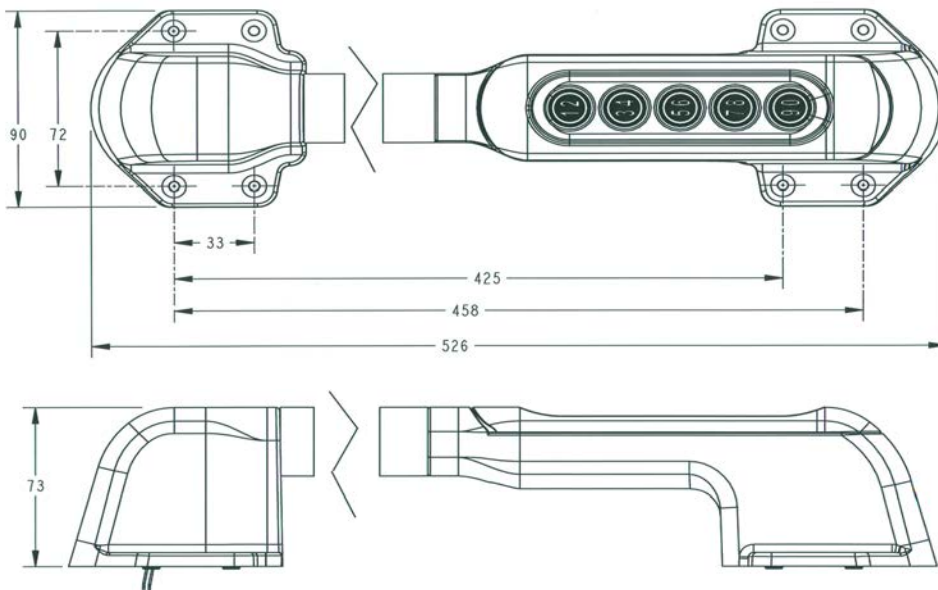
- Sturdy zinc die cast alloy housing, cover and end cap
- Cast acrylic rod in clear or frosted finish

INSTALLATION:

- Easy to install with #8 or M4 fasteners (not supplied)
- Cost effective modular handle requires fewer holes in sidewall than separate components for ease of installation

U.S. Patent No. 7,400,232

U.S. Design Patent No. D559,653



550-0100 Power Lock Actuator

DESIGNED FOR:

- TriMark handles and latches equipped to accept a power lock actuator that provides a push/pull function

FEATURES/BENEFITS:

- High impact sealed case design
- Long travel distance — .83 to .86 inches (21-21.8mm)
- High output force for reliable locking and unlocking function
- 12-volt two wire durable
- Reliable and durable
- Compact design allows for application in restricted space
- Compatible for use with TriMark power adaptable products
- Product selection options to ensure optimal fit for various applications



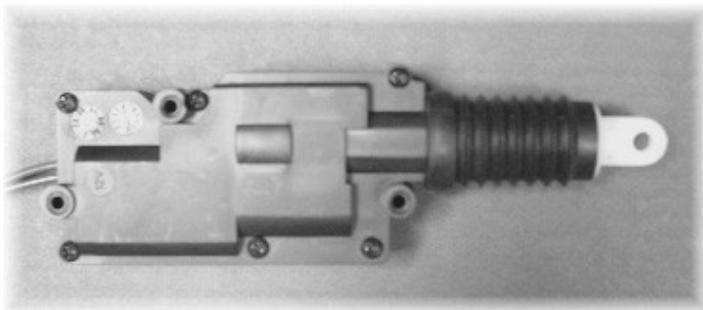
AVAILABLE:

- In a "gun style" with or without an overload protected motor
- In a compact, rectangular design with an overload protected motor, clutching mechanism for smooth operation and a rotatable/detachable tip
- With individual bullet style connectors or spade connector for ease of installation
- With 2 wires for power or 5 wires for power and actuator sensing
- Possible customization available to include special connectors, custom wire length, 4 wire configuration and kitting options. Please contact TriMark for more information

INSTALLATION:

- TriMark power actuators are easy to install either by integrating mounting directly into available TriMark latches or paddle or with universal hardware parts that include fasteners, a zinc clamp, a mounting strap and a rod

Patent Pending



610-0100 Ignition Switch

TriMark's ignition switches satisfy the toughest customers in the roughest environments with superior performance and reliability. Further enhancement is now available by offering a heavy duty ignition switch for on or off-highway applications with KeyOne™ Plus modular locking system providing "One Key — One Vehicle" convenience.

FEATURES/BENEFITS:

- Contact rating: 50 Amp @ 12 VDC continuous (battery)
 - ◊ Ignition—20 Amps
 - ◊ Accessory—30 Amps (inductive)
 - ◊ Start—.33 Amps
- Standard positions: Accessory, Off, On (ignition/accessory) and Start
- Rugged and durable construction is environmentally sealed for long life
- Standard brass Packard Electronic Connectors (#56)

AVAILABLE:

- KeyOne™ Plus for a single-key system, keyed alike or keyed random
- In a wide variety of codes which allows the customer flexibility in keying a unit alike or differently
- Custom terminal configurations (please inquire)
- Custom function and positions (please inquire)



FINISH:

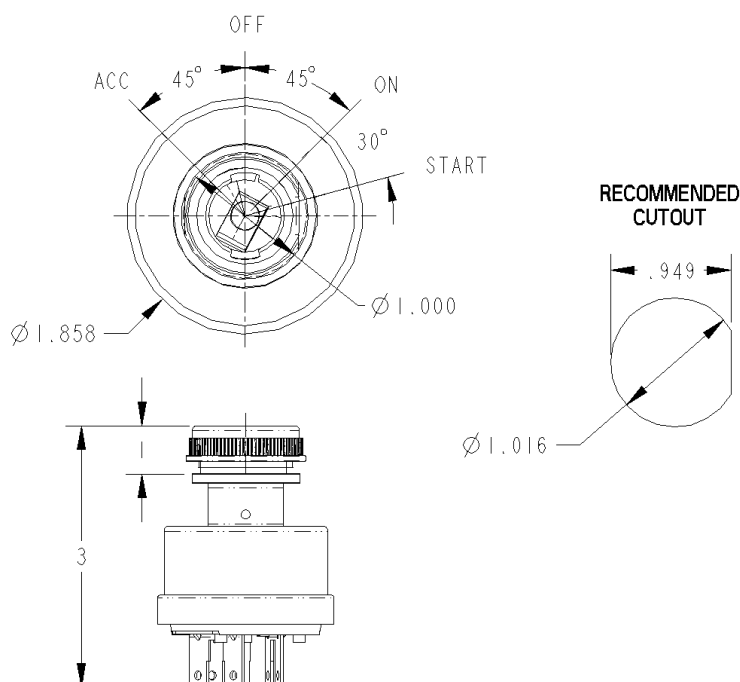
- Retaining nut: Black or bright chrome
- Housing: Satin nickel

MATERIAL:

- Sturdy zinc die cast alloy housing and retaining nut
- Base: engineered plastic
- Terminals and contacts: tin plated brass

INSTALLATION:

- Standard 1.00" mounting hole
- Recommended panel thickness; .115-.225 in. (2.9-5.7mm)
- Knurled retaining nut is included. Recommended torque in 10 ft-lbs. (13.3 N-m)



TriMark Door Systems

Door Systems – Providing the Big Picture Solutions for TriMark Customers

Designing and implementing a true full door system solution takes a wide range of products to ensure that all the components work together to form a rugged and reliable system to suit the intended application. TriMark's range of latches, strikers, handles, hinges, linkages, locks, accessories and related system components assure compatibility – our products not only set the standards for excellence, design and value, they are proven in the field time and time again.

Considerations must also be made regarding system details such as opening/closing efforts, structural support, appearance, door construction, safety, security, ease of assembly, quality, durability, sound of operation and value. Our Application Engineering Experts are available to assist you in properly selecting the components and products to complete your individual system solution.

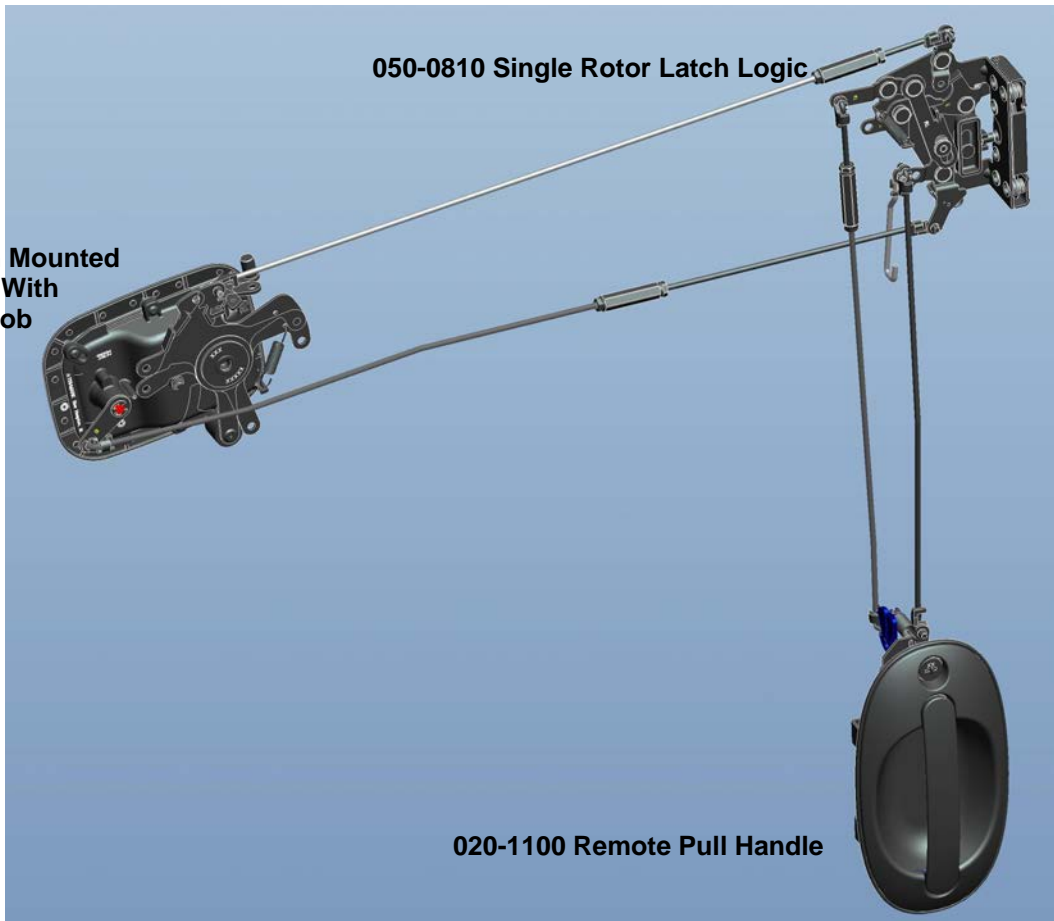


The door systems shown are meant to be representative only - please contact TriMark for specific applications and products.

030-1860 Flush Mounted Paddle/Handle With Inside Lock Knob

050-0810 Single Rotor Latch Logic

020-1100 Remote Pull Handle



100-5010 TriGuard Heavy Duty Door Hardware Module V1

This robust door hardware kit features modular construction that allows for simple customization, including remote or integrated exterior handle placement to accommodate variable door sizes. Designed for medium to heavy duty doors of 23-455kg (50-1000 lbs.) for entrance and rear door applications. The kit also allows for a minimum of assembly fasteners as well as providing a support system when adding significantly more weight to the door.

FEATURES/BENEFITS:

- Heavy duty modular construction is received fully assembled and tested
- Cuts door assembly time by as much as 50% to 70% -- improving vehicle cost and throughput
- Improved serviceability in the field and ability to retrofit into existing applications
- Interior locking mechanism provides additional safety for occupants
- Single handle egress
- Integrated weight support system
- Incorporates TriMark's proven 050-0850 Heavy Duty Latch

AVAILABLE:

- Remote or integrated exterior handle options (remote version shown)
- Right or left hand versions
- Customization features available. Please inquire:
 - ◆ Mounting details
 - ◆ Length of grab bar
 - ◆ Exterior handle location

MATERIAL:

- Standard—high strength steel construction
- Available with advanced lightweight aluminum alloy

FINISH:

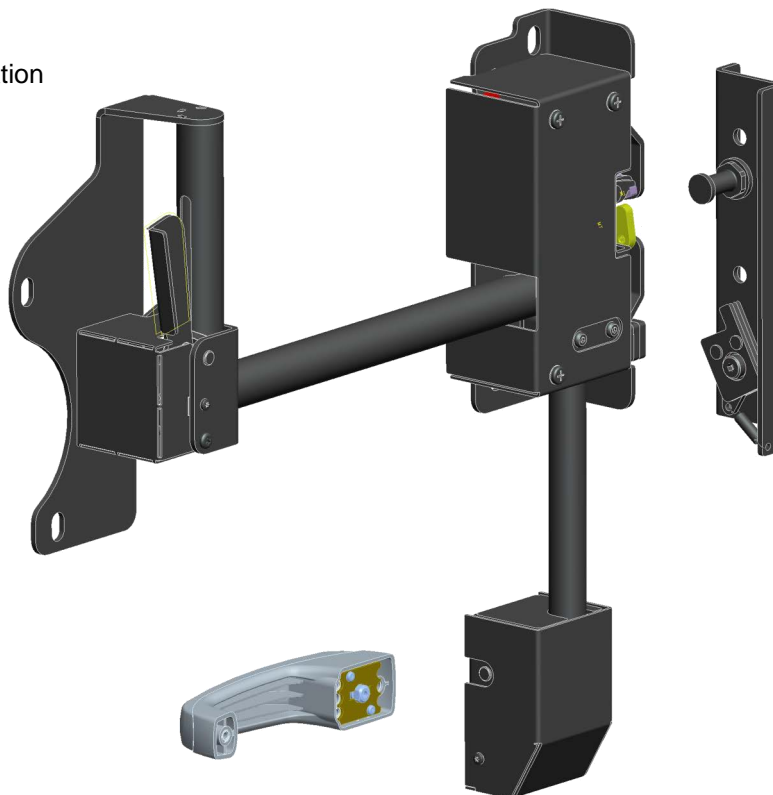
- Standard low gloss black powder coated
- Mil-Spec soft grip nylon coated handle
- 1000 hour corrosion protection
- Optional finishes available including: Black Magni™ coating, Tan/Olive CARC paint and Tan/Olive powder coating

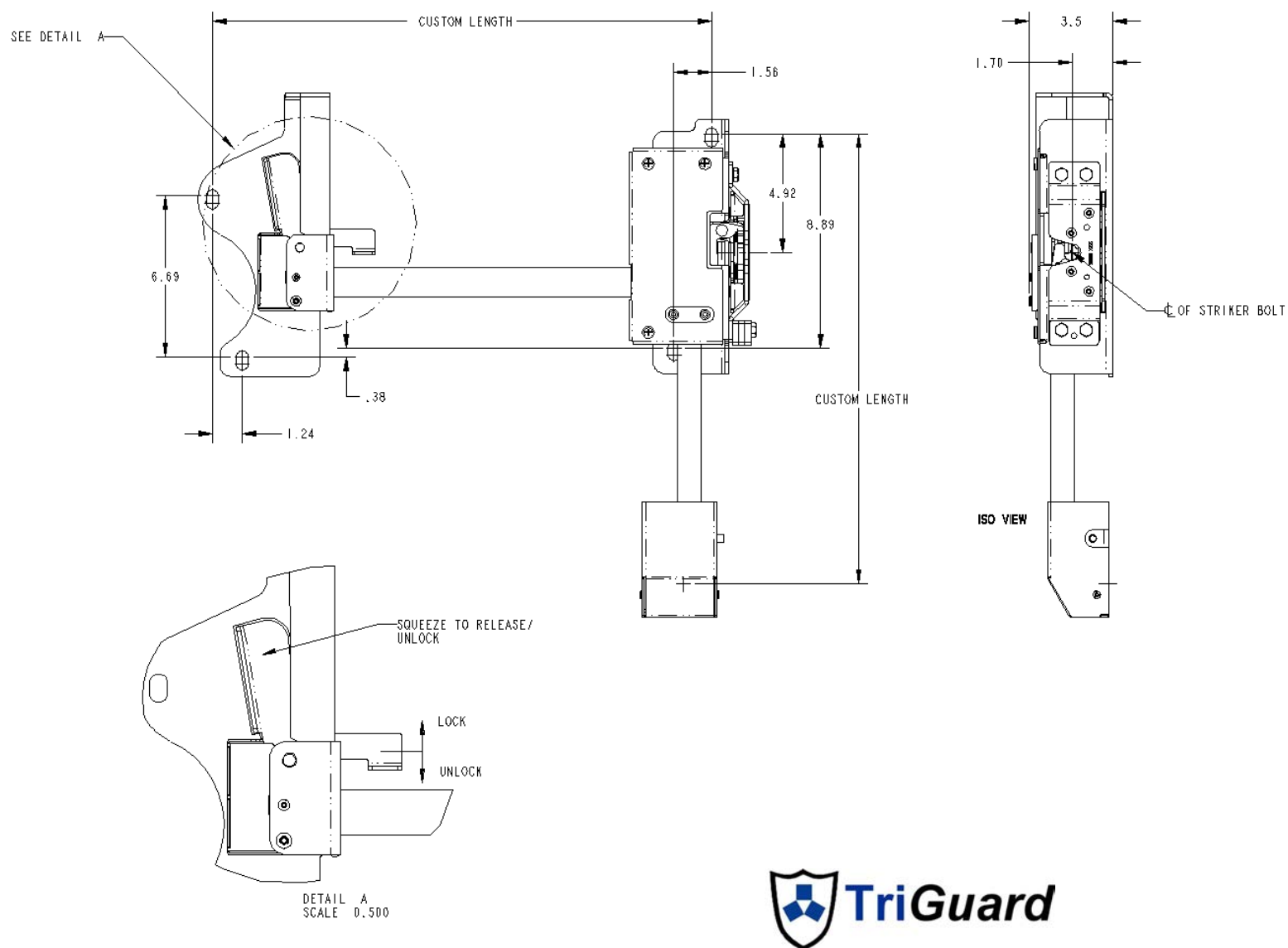
INSTALLATION:

- Easy to install, mounts with (4) M10 X 1.75 fasteners and (3) M6 X 1.0 fasteners
- Tighten to the manufacturers' recommended torque value

U.S. Patent No. 8,091,933

Note that this product complies with FMVSS 206 when tested in accordance with SAE J839 and that this system meets FMVSS 206 loads and locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



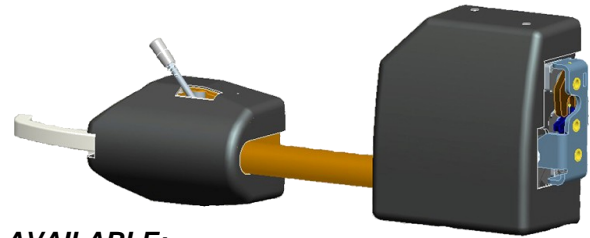


100-5120 TriGuard Heavy-Duty Slimline Hardware Module V2

Similar to the V1, the 100-5120 provides automotive-like functionality and style in a low profile one-piece module. Featuring TriMark's 050-1600 TriGuard Slimline Heavy Duty Latch, this robust product allows for power-locking and is compliant to FMVSS 206.

FEATURES/BENEFITS:

- Heavy duty modular construction is received fully assembled and tested
- Cuts door assembly time by as much as 50% to 70% -- improving vehicle cost and throughput
- Improved serviceability in the field and ability to retrofit into existing applications
- Interior locking mechanism provides additional safety for occupants
- Single handle egress
- Integrated weight support system
- Incorporates TriMark's proven 050-0850 Heavy Duty Latch



AVAILABLE:

- Remote or integrated exterior handle options (remote version shown)
- Right or left hand versions
- Customization features available. Please inquire:
 - ◆ Mounting details
 - ◆ Length of grab bar
 - ◆ Exterior handle location

MATERIAL:

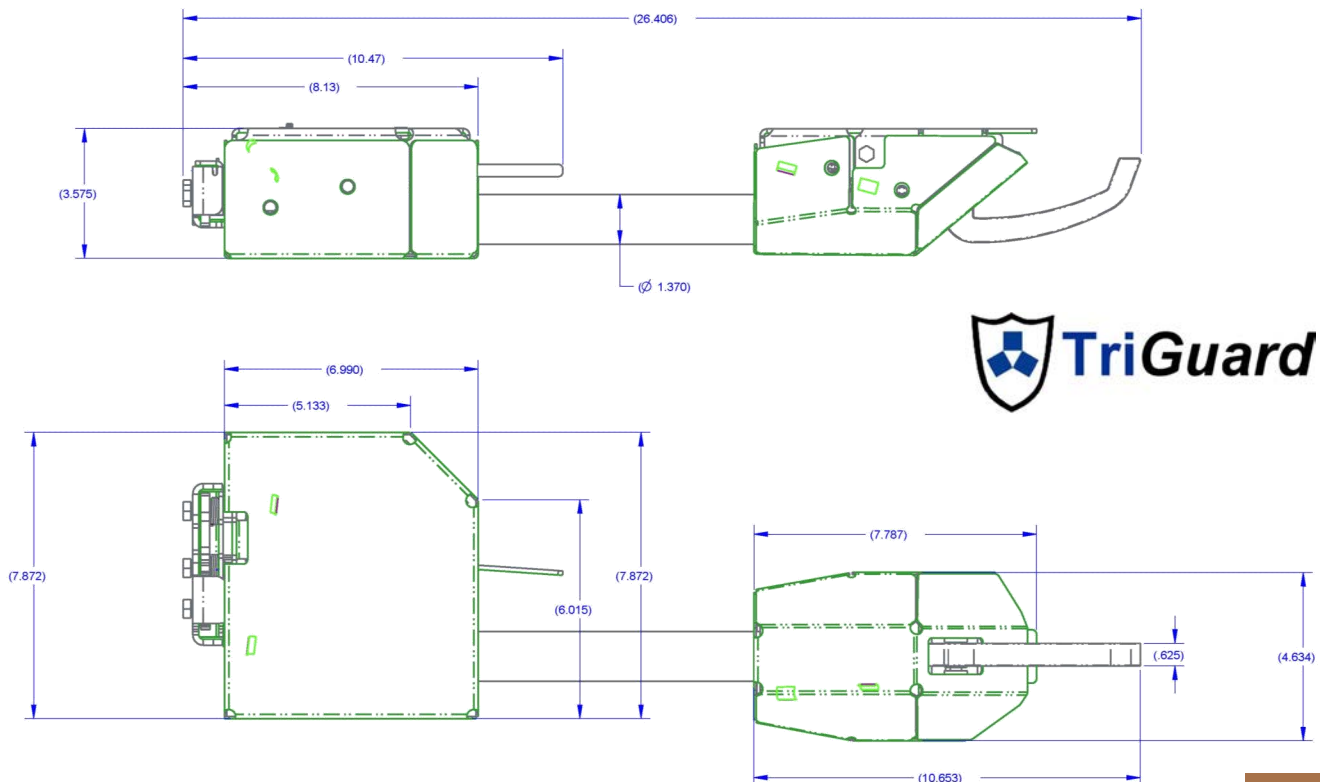
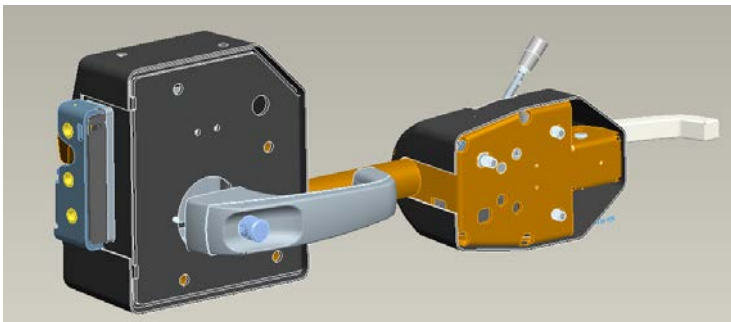
- Standard—high strength steel construction
- Available with advanced lightweight aluminum alloy

FINISH:

- Standard low gloss black powder coated
- Mil-Spec soft grip nylon coated handle
- 1000 hour corrosion protection
- Optional finishes available including: Black Magni™ coating, Tan/Olive CARC paint and Tan/Olive powder coating

U.S. Patent No. 8,091,933

Note that this product complies with FMVSS 206 when tested in accordance with SAE J839 and that his system meets FMVSS 206 loads and locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.

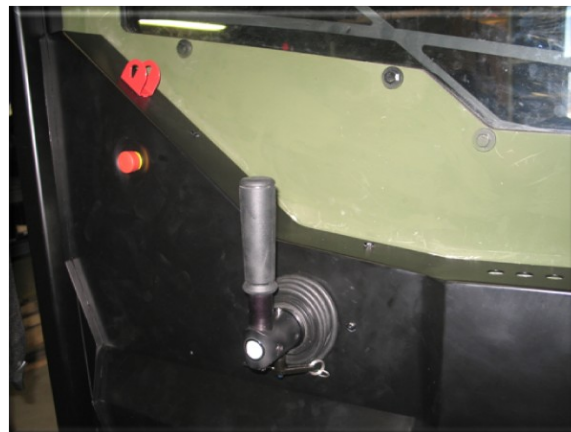


100-5200 COMMANDoor Plus

COMMANDoor Plus is a complete power assist module that can simply and safely open and close the heaviest of armored vehicle doors with one intuitive motion and can be custom engineered to fit virtually any vehicle. The door fully integrates combat locks with a power-assist actuation and control system to open and close the door for those vehicles with very heavy doors. The inside control handle's unique 2-axis electromechanical design allows for simple and intuitive hand motions by the soldier to activate the open and close action of the door. Powered integration of the combat locks-automatically engaging them after door closure and automatically opening during the door opening, allows for the opening and closing of rear seat personnel doors remotely by the driver or commander from the front seat.

FEATURES/BENEFITS:

- Designed to withstand the rigors of battle and rugged off-road abuse the system easily operates heavy armored doors by a 5th percentile female soldier, but stands up to the adrenalin-driven strength of a 95th percentile male soldier.
- The centerpiece of the COMMANDoor functionality is the COMMAND Handle. By designing a system in which a single control handle's motion coincides with the desired direction of door travel, TriMark has provided the first true Intuitive Motion Control System for the war fighter's ingress and egress from heavily armored vehicles.
- Soldier can actuate combat locks and open and close powered doors and ramps with a single inside release from both the interior and exterior
- Door Module contains linear door actuator, integrated control system, back-up power source, control sensors, safety strips and all mechanical hardware to articulate door or ramp to open and closed positions
- Lower current demands reducing on-board electrical draw and battery requirements



SAFETY:

- Integrated safety features assure users and first responders' safe and reliable use.
- Releasing the COMMAND Handle at any time immediately stops door movement
- The system incorporates safety strips to stop door movement and relieve pinch points
- An emergency stop provision disables powered motion and allows for manual control
- An emergency latch release feature allows disengagement of the combat locks from the outside and permits opening COMMANDoor on a vehicle that is damaged or whose personnel have been disabled
- Interior locking mechanism provides additional safety for occupants plus an emergency latch release feature allows disengagement of the combat locks from the outside and permits opening COMMANDoor on a vehicle that is damaged or whose personnel have been disabled

AVAILABLE:

- Configurable to work with electric, pneumatic or electric-hydraulic actuators
- Remote actuation via a switch that can be dash mounted or door mounted
- Right or left hand versions for side hinges doors or ramp doors
- TriMark's proven 050-0850 Heavy Duty Latch provides FMVSS 206 compliancy
- Can be purchased as separate products or complete one-piece modules ready for installation
- Customization features available—please inquire.

U.S. Patent No. 8,132,844 / 8,506,002

Other Patent Pending

Note that this product complies with FMVSS 206 when tested in accordance with SAE J839 and that this system meets FMVSS 206 loads and locking requirements and may be used in FMVSS 206 applications pending TriMark application approval. Please refer to page 151 for the complete FMVSS 206 statement.



070-0100 .500 (12.7mm) Diameter Striker Bolt

Designed as a companion part for use with TriMark's single rotor latches and cage nuts that requires a .500 (12.7mm) diameter striker bolt and compliance to FMVSS 206. It is available in a variety of lengths with several drive details and mounting thread choices.

INSTALLATION:

- Torque to 35 ft-lbs (46.7 N-m) minimum depending upon surface conditions

MATERIAL:

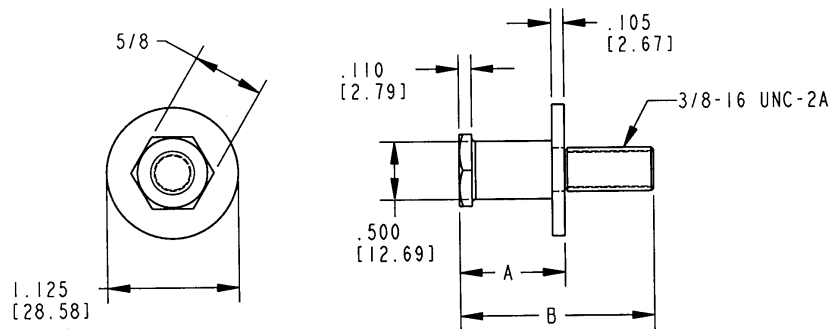
- Typical materials include AISI 4140 and AISI C10B21 steel (or equivalent), heat treated to TriMark ES-141

FINISH:

- Zinc plated with clear chromate



TriMark striker bolts are designed and tested to meet or exceed FMVSS 206 safety requirements only when used with TriMark's corresponding 206 compliant latches. Note that some of the longer striker bolts have diminished load values in certain latch families. Please check with TriMark Engineering before finalizing your striker selection requiring FMVSS 206 compliance.



* Dimension "A"	Dimension "B"
.905 [22.99]	1.465 [37.21]
.905 [22.99]	1.665 [42.29]
.905 [22.99]	2.630 [66.80]
1.045 [26.54]	1.805 [48.85]
1.300 [33.02]	2.060 [52.32]

Washer deflected to installed dimension.

070-0125 Striker Bolt

Designed as a companion part for use with TriMark's single rotor latches and cage nuts that requires a .500 (12.7mm) diameter striker bolt and FMVSS is not required.

INSTALLATION:

- Torque to 35 ft-lbs (46.7 N-m)

MATERIAL:

- Typical materials include AISI 4140 and AISI C10B21 steel (or equivalent), heat treated to TriMark ES-141

FINISH:

- Zinc plated with clear chromate



CAUTION: This headless striker bolt does not meet FMVSS 206 load values

070-0200 .675 (17.1mm) Diameter Striker Bolt

Designed as a companion part for use with TriMark's single rotor latches and cage nuts that requires a .675 (17.1 mm) diameter striker bolt and compliance to FMVSS 206. It is available in a variety of lengths with several drive details and mounting thread choices.

MATERIAL:

- Typical materials include AISI 4140 and AISI C10B21 steel (or equivalent), heat treated to TriMark ES-141

INSTALLATION:

- Torque 7/16-14 UNC-2A to 56 ft-lbs (74.7 N-m) minimum depending upon surface conditions
- Torque 1/2-13 UNC-2A to 85 ft-lbs (113.3 N-m) minimum depending upon surface conditions
- Torque M12 x 1.75-6g to 75 ft-lbs (100.0 N-m) minimum depending upon surface conditions

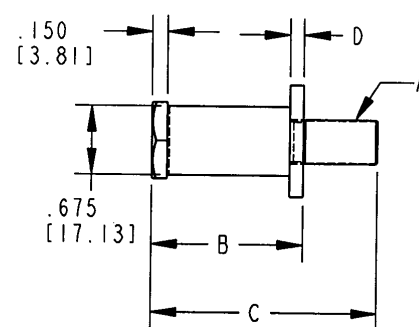
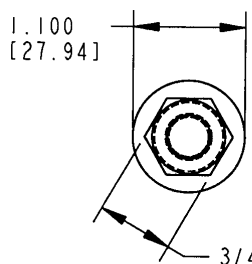
FINISH:

- Zinc plated with clear chromate

TriMark striker bolts are designed and tested to meet or exceed FMVSS 206 safety requirements only when used with TriMark's corresponding 206 compliant latches. Note that some of the longer striker bolts have diminished load values in certain latch families. Please check with TriMark Engineering before finalizing your striker selection requiring FMVSS 206 compliance.



Note: Striker bolt head and drive detail may vary from shown.



070-0201 .550 (13.9mm) Diameter Striker Bolt

DESIGNED FOR:

- Use with TriMark's single rotor latches and cage nuts that require .550 (13.9mm) diameter striker bolt

INSTALLATION:

- Torque 7/16-14 UNC-24 to 56 ft-lbs minimum depending upon surface conditions

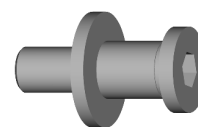
MATERIAL:

- Typical materials include AISI 4147 or AISI C10B21 steel (or equivalent), heat treated to TriMark ES-141

FINISH:

- Zinc plated with clear chromate

TriMark striker bolts are designed and tested to meet or exceed FMVSS 206 safety requirements only when used with TriMark's corresponding 206 compliant latches. Note that some of the longer striker bolts have diminished load values in certain latch families. Please check with TriMark Engineering before finalizing your striker selection requiring FMVSS 206 compliance.



070-0300 .375 (9.5mm) Diameter Striker Bolt

Designed as a companion part for use with TriMark's single rotor latches and cage nuts that requires a .375 (9.5mm) diameter striker bolt. It is available in a variety of lengths with several drive details and mounting thread choices.

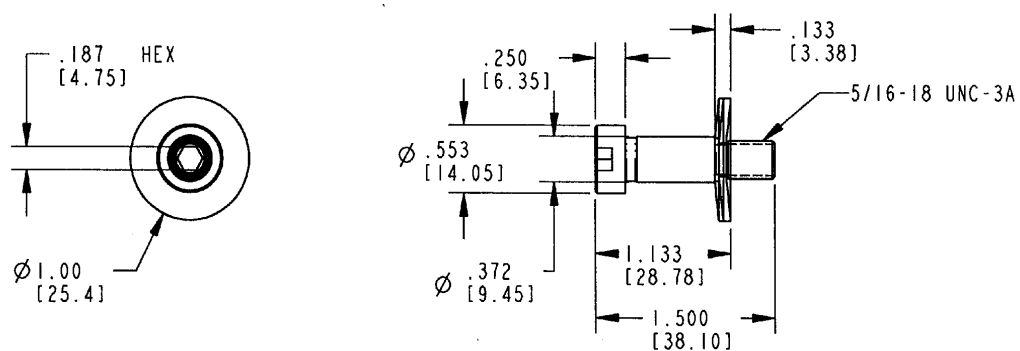
MATERIAL:

- Striker bolt: medium carbon steel, heat treated
- Washer: mild steel

FINISH:

- Striker bolt: zinc plated with clear chromate
- Washer: galvanized zinc

Caution: Product does not meet FMVSS 206 load requirements.



070-0400 12mm Diameter Striker Bolt

Designed as a companion part for use with TriMark's single rotor latches and cage nuts that requires a 12mm (.472) diameter striker bolt.

MATERIAL:

- AISI 4140 steel heat treated

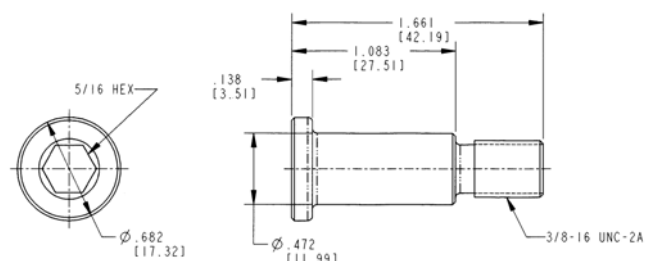
INSTALLATION:

- Torque to 35 ft-lbs (46.7 N-m) minimum depending upon surface conditions

FINISH:

- Zinc plated with clear chromate

TriMark striker bolts are designed and tested to meet or exceed FMVSS 206 safety requirements only when used with TriMark's corresponding 206 compliant latches. Note that some of the longer striker bolts have diminished load values in certain latch families. Please check with TriMark Engineering before finalizing your striker selection requiring FMVSS 206 compliance.



090-0100 Rod Clips

Designed to facilitate the connection between the latch and handles with rods for remote actuation and provides for easy assembly.

AVAILABLE:

- In right and left hand, or non-handed design
- In a variety of diameters, materials and configurations

INSTALLATION:

- Provides for easy assembly of hardware

MATERIAL:

- Medium carbon steel, heat treated and parkerized black for extra strength and corrosion resistance
- Color coded nylon for rattle free operation and ease of identification



090-0150 Rods

Manufactured on a computer controlled rod bender for conformance to quality and repeatability

- Multiple bend capability including compound bend angles
- Available in pre-plated steel rod diameters:
 - .125 (3.2mm)
 - .168 (4.3mm)
 - .214 (5.4mm)
 - .390 (9.9mm)
- Other rod diameters are available as a special request (please inquire)
- Secondary operations including threading and swaging are available
- Prototype orders and small production runs are welcome



100-0200 Mounting Fasteners



Available as a companion part for use with TriMark's handles and latches to provide mounting and ease of installation. Versions are available for most TriMark products in a variety of types, sizes and lengths.

100-0400 Brackets, Spacers & Mounting Plates

Designed as a companion part for use with TriMark's handles and latches to provide mounting and ease of installation. Versions are available for most TriMark products in a variety of configurations.



100-0410 Cage Nut

Designed as a companion part for use with TriMark's striker bolts, this product allows for vertical and horizontal adjustment for most striker bolts with 3/8-16 or 7/16-14 threads. It is available as a one-piece assembly or as separate parts for lowest cost and is FMVSS 206 compliant.

AVAILABLE:

- 3/8-16 or 7/16-14 threads
- Up to .250" (6.4mm) total vertical and .125" (3.2mm) total door seal adjustment
- One piece assembly for simplified installation
- Nut and retainer available separately for lowest cost

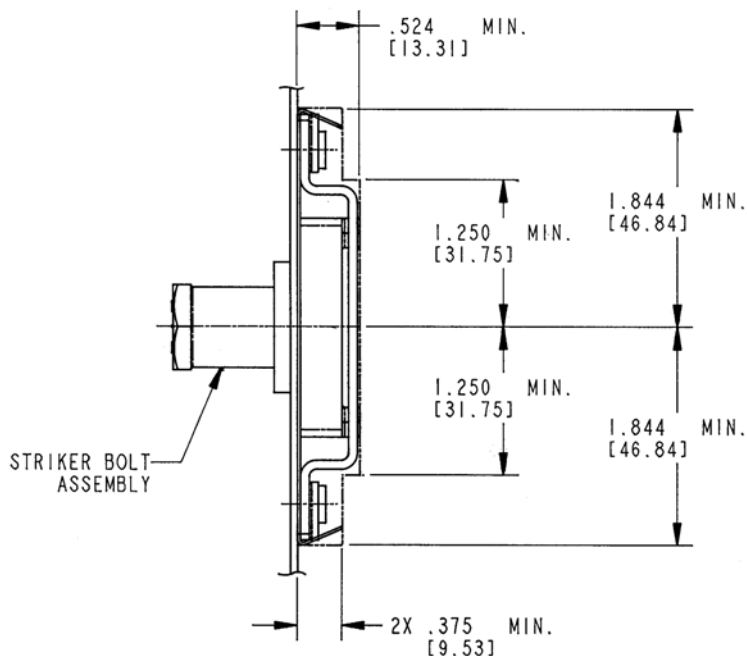
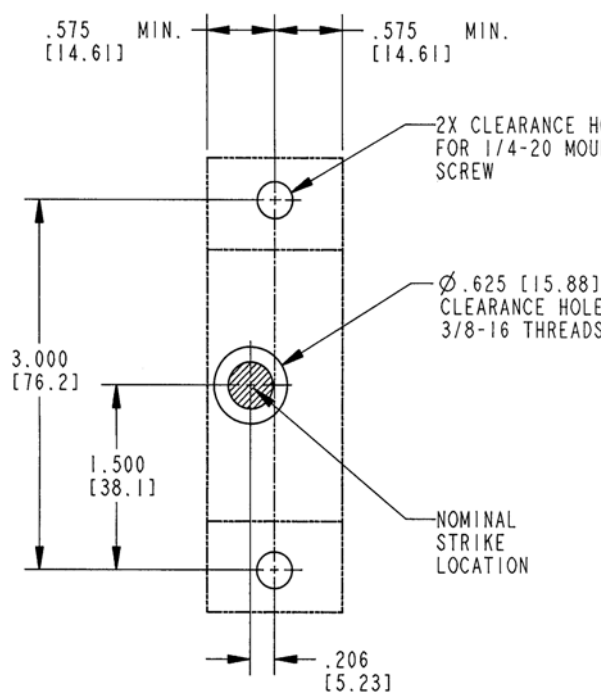
INSTALLATION:

- Mounts with standard 1/4-20 screws (not included)
- Striker bolt mounting close to edge to allow use in applications where striker bolt is close to the frame edge



Steel nut withstands tensile loads applied to striker bolt in excess of 2500 lbs (1134 kg) as required by FMVSS 206.

Note: Together the cage nut and compliant striker bolt meets or exceeds FMVSS206 load requirements.



I00-0500 Strike Plate

Designed as a companion part for use with TriMark's sliding bolt latches. Versions are available in steel or die cast zinc.

AVAILABLE:

- In a variety of configurations

FINISH:

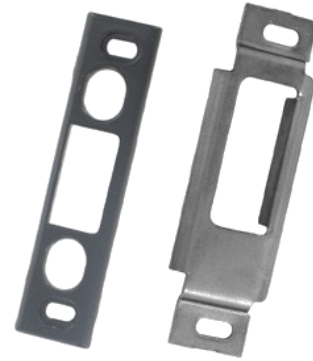
- Die cast zinc - no finish, black powder coated paint
- Steel - zinc plate, clear chromate

MATERIAL:

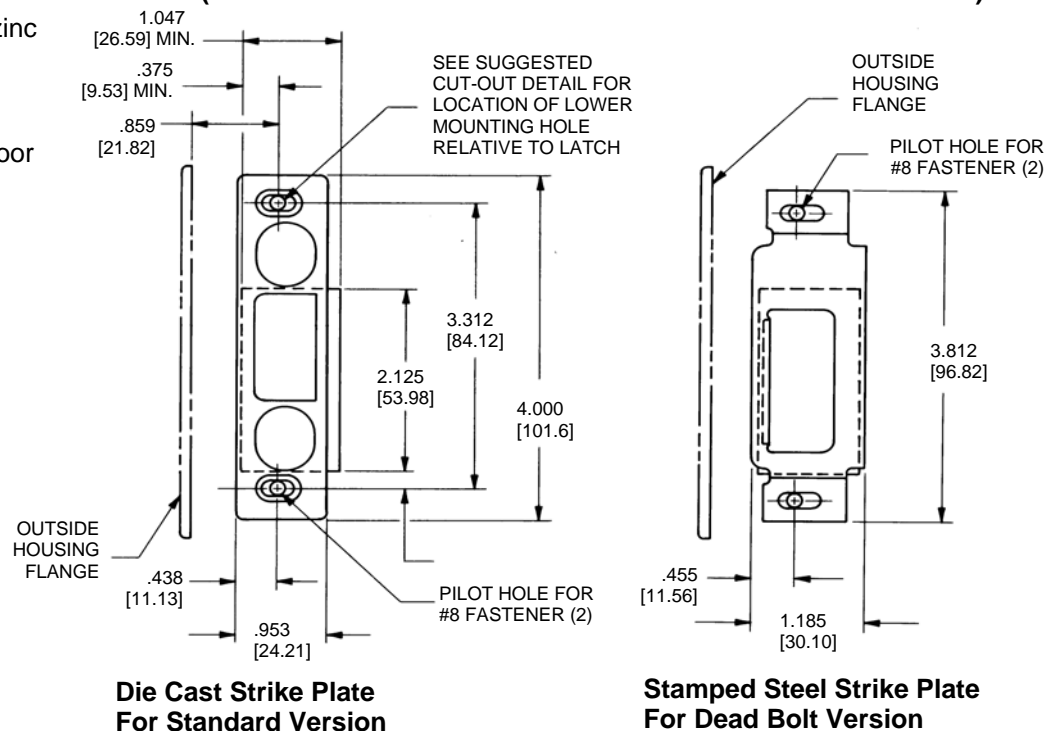
- Typical materials include die cast zinc and steel

INSTALLATION:

- Provides for easy adjustability of door



(Dimensions Shown for Either Standard or Dead Bolt Version)



I00-0800 Rod Collars

Designed to facilitate the connection between the latch and handles for remote actuation. This product provides for easy assembly and adjustability of hardware.

AVAILABLE:

- In two styles; staked-on retention and an easy clip-on retainer

MATERIAL:

- Die cast zinc, machined steel, aluminum or stainless steel

FINISH:

- Die cast zinc collars - clear chromate steel collars - zinc plate/clear chromate



INSTALLATION:

- Rod collars can be pre-installed by TriMark or attached at the point of door assembly

NOTE: Rod collars are not intended or recommended for use in applications that require FMVSS 206 compliance or applications that have heavy or extreme striker bolt loads (> 25 lbs / 11 kg) and/or high to extreme usage (> 100,000 door cycles/life).

I 10-0403 Cam Lock

Designed as a simple companion for TriMark's locking solutions, these 1/4 turn cam locks feature KeyOne™ Plus keying, multiple body lengths and a variety of cam options to provide application flexibility.

DESIGNED FOR:

- Storage, baggage, compartment and access doors for on and off-highway vehicle applications

AVAILABLE:

- In two body lengths for door thicknesses up to .400" (10.2mm) for the .83" (21mm) escutcheon depth and up to .600" (15.2mm) for the .98" (24.9mm) escutcheon depth
- With a variety of cam options including straight as well as offset versions (please inquire)
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system
- Optional steel finger pull provides additional functionality
- Standard cam rotation is 90 degrees and can be configured CW and CCW rotation with cam alignment at 90 degree increments (180 degree rotation is also available)
- Non-locking thumb turn and 7mm square tool operated drives are available in sturdy die cast zinc alloy with either low gloss black and chrome finish. Operation is smooth with detent rotation in latched and unlatched position. Other tool drives are available upon request.

MATERIAL:

- Escutcheon: die cast zinc alloy
- Mounting nut, lock stop and cams: mild steel

FINISH:

- Zinc plate, clear chromate conversion coat on all steel and zinc components

INSTALLATION:

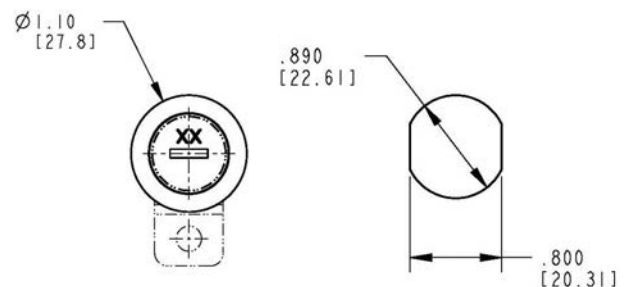
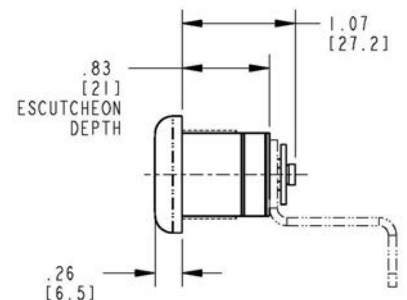
- Cam lock assembly comes with mounting nut and cam mount screw
- 1" (25.4mm) panel nut to secure cam lock to the door



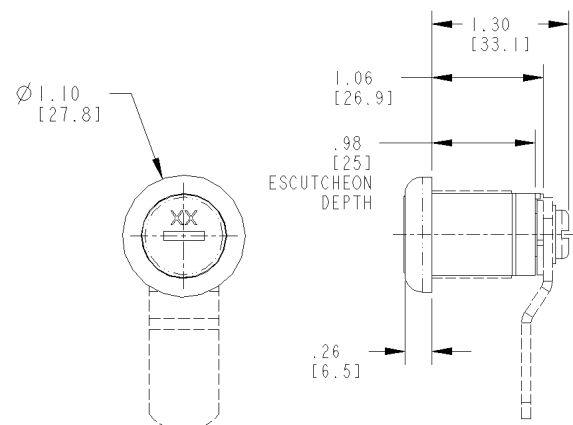
Non-locking Thumb Turn and 7mm Square Tool Operated Drives



With Finger Pull



RECOMMENDED CUTOUT



TriMark's Line of Prima Handles and Locking Devices

TriMark Corporation is an exclusive distributor of Prima Industries' product line of handles and locking devices.



About Prima Industries

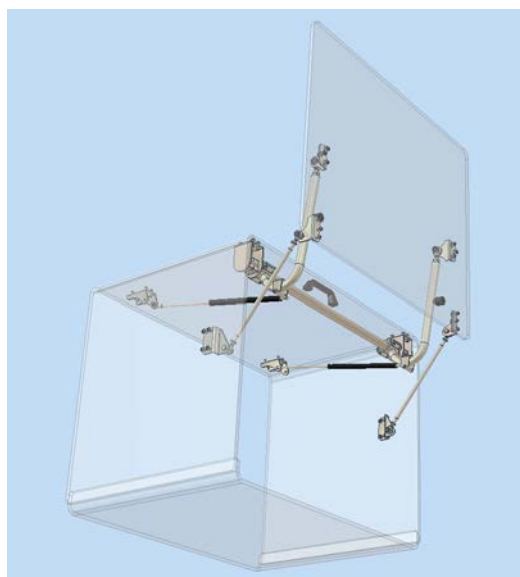
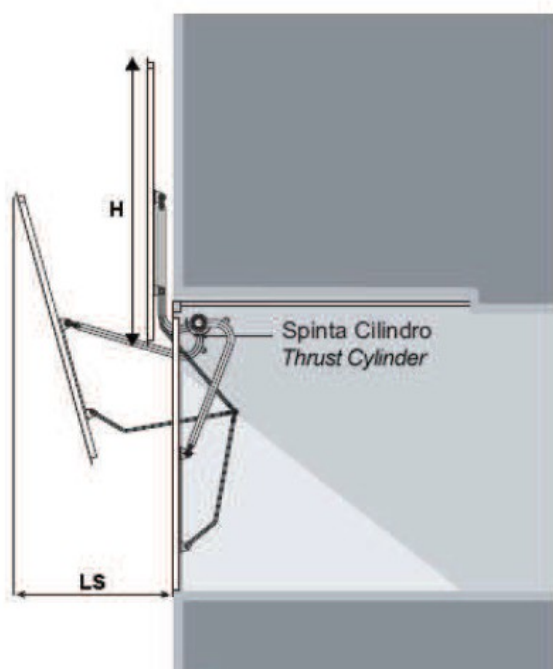
Prima Industries (Correggio, Italy) is one of the leading companies in the field of components for mass transportation vehicles with a market presence in 63 countries. Prima products include latches, locking devices, air diffusion systems, light diffusion systems, city bus tubing supports and stop request/call buttons, interior bus accessories, luggage rack systems and luggage door systems. Prima clients are the big vehicle producers such as Iveco, Daimler, Scania, Deutsche Bahn, Komatsu, Volvo, Caterpillar, New Holland, Lamborghini Auto and Van Hool.



I 20-1000 Prima ClassicDOOR Hinge System

The ClassicDOOR pantograph hinge system is a pre-engineered solution to provide kitted components that simplify the design, fabrication, assembly and opening of bus and motor coach luggage compartment doors. Variables to determine the proper kits; are the weight of the door, width of the door and the height that the door travels vertically. The following are the components that make-up the kits:

- ◆ Tube Assemblies
- ◆ Lever Arms
- ◆ Brackets and Struts
- ◆ Gas Shocks



DESIGNED FOR:

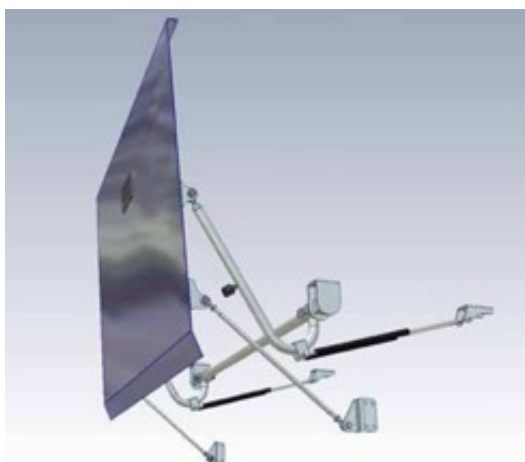
- Medium to heavy-duty bus and motor coach pantograph hinge style luggage doors
- Door weights of 30-80 Kg (66-175 lbs.)
- Door heights between 750-1500mm (29.5-59.0 in.)

FEATURES/BENEFITS:

- Select from pre-engineered components and sub-assemblies to simplify the design and installation.
- The robust Tube Assemblies and Lever Arms ensure smooth operation and the Struts and Gas Shocks provide stability and balance to the door operation

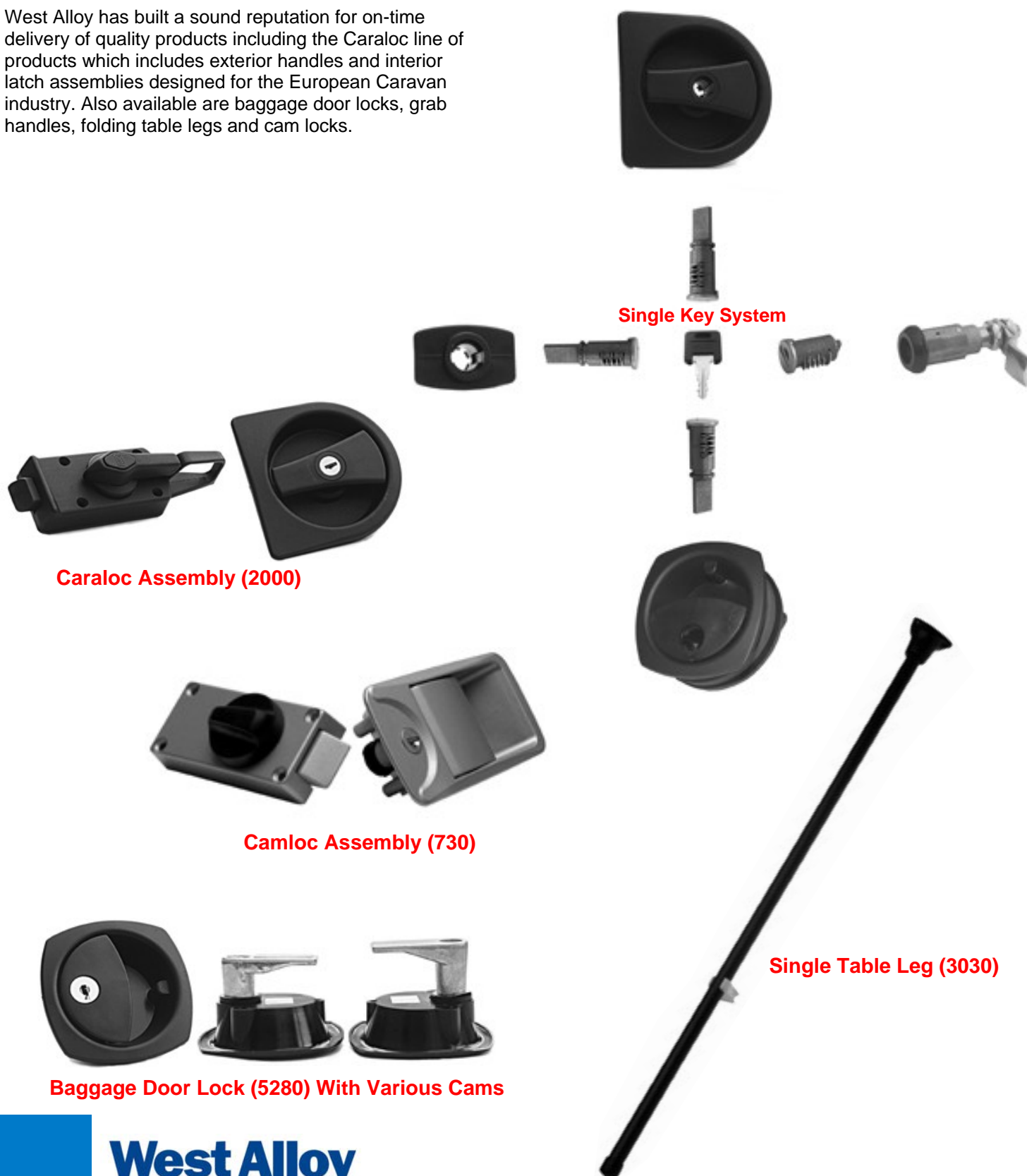
AVAILABLE:

- TriMark can provide the entire hinge system or select components that are application matched to ensure balanced, smooth and safe operation



TriMark Europe Ltd, a subsidiary of TriMark Corporation, acquired West Alloy Ltd. Located in the UK. West Alloy is a market leader in the design and manufacture of locks, hinges, window stays and associated fittings for the world's best-known industrial and leisure vehicles.

West Alloy has built a sound reputation for on-time delivery of quality products including the Caraloc line of products which includes exterior handles and interior latch assemblies designed for the European Caravan industry. Also available are baggage door locks, grab handles, folding table legs and cam locks.



Caraloc Assembly (2000)

Camloc Assembly (730)

Baggage Door Lock (5280) With Various Cams

Single Key System

Single Table Leg (3030)

050-7100 Single Rotor Latch - I/S Handle

The compact 050-7100 Single Rotor Latch is designed for operator and compartment door applications for off-highway vehicles on light to medium duty doors.

FEATURES/BENEFITS:

- Compact size and shape; allows maximum use of door space
- Versions are available to allow direct or remote actuation from exterior push button or flap handles
- With left and right variants; provides application flexibility
- Available black finish reduces the need for secondary painting, can be supplied with or without plastic cover

INSTALLATION:

- Easy to install - Recommended mounting fastener (2) CSK X M6 X 1 class 8.8 or better fasteners are required (not included) with recommended torque of 6 N-m. Tighten to the fasteners recommended torque value, however do not exceed 13.3 N-m

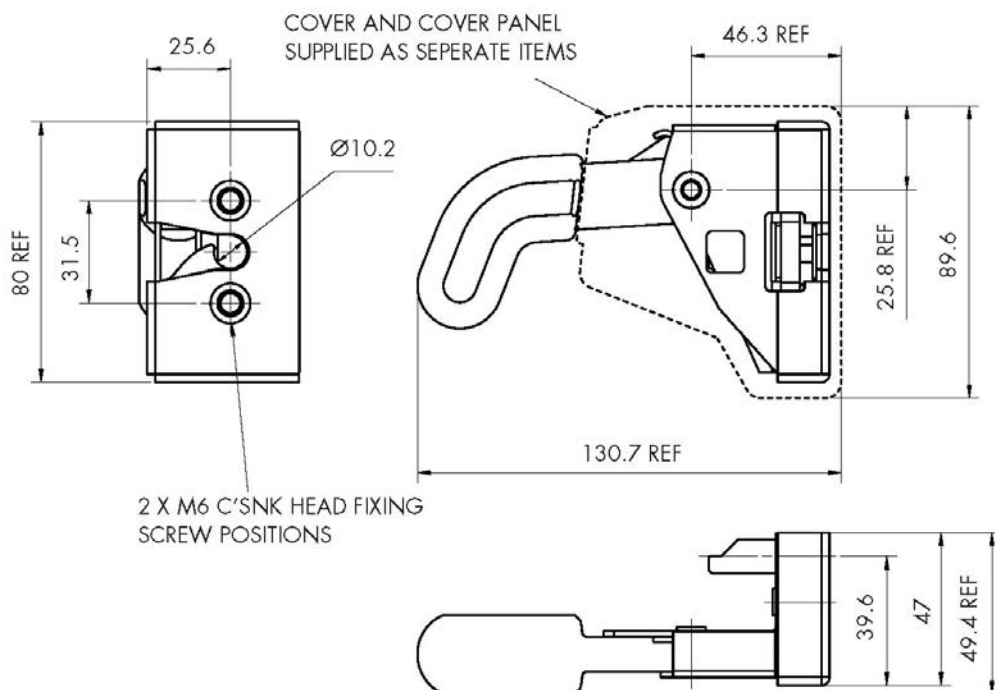


MATERIAL/FINISH:

- Inside release components: nylon
- Painted steel case halves

Latch complies with FMVSS 206 when tested with West Alloy mounting plate and 070-7100 Striker Bolts in accordance with SAE J839

West Alloy Part No. 7570 / 7575 (opposite hand)



050-7105 Single Rotor Latch - I/S Handle

This compact Single Rotor Latch is designed for operator and compartment door applications for off-highway vehicle on light to medium duty doors.

FEATURES/BENEFITS:

- Compact size and shape allows maximum use of door space
- Versions are available to allow direct or remote actuation from exterior push button or flap handles
- With left and right variants; provides application flexibility
- Available black finish reduces the need for secondary painting

INSTALLATION:

- Easy to install - Recommended mounting fastener (2) CSK X M6 X 1 class 8.8 or better fasteners are required (not included) with recommended torque of 6 N-m. Tighten to the fasteners recommended torque value, however do not exceed 13.3 N-m

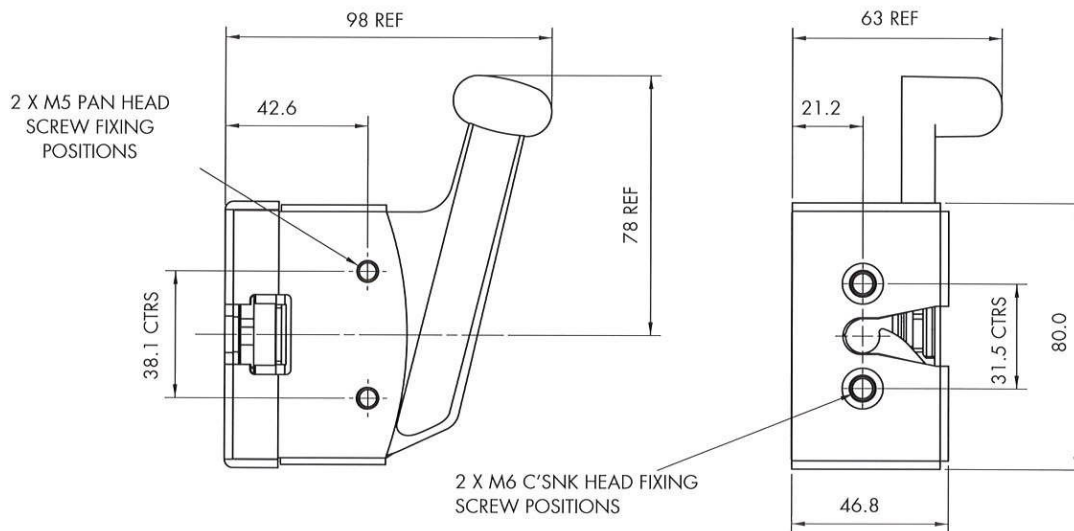


MATERIAL/FINISH:

- Inside release components: nylon
- Painted steel case halves

Latch complies with FMVSS 206 when tested with West Alloy mounting plate and 070-7100 Striker Bolts in accordance with SAE J839

West Alloy Part No. 5050 / 5055 (opposite hand)



050-7110 Single Rotor Latch - Locking

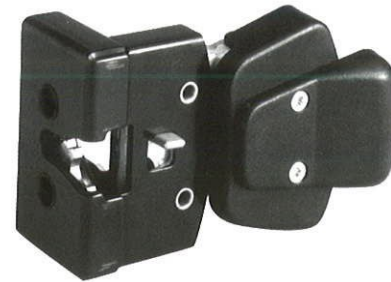
The 050-7110 Single Rotor Latch is designed for operator door applications for off-highway vehicle on light to medium duty doors.

FEATURES/BENEFITS:

- Compact size and shape allows maximum use of door space
- Requires direct actuation from exterior handle (030-7100) or push button or flap handles
- With left and right variants
- Provides internal locking
- Available black finish reduces the need for secondary painting

INSTALLATION:

- Easy to install - Recommended mounting fastener (2) CSK X M6 X 1 class 8.8 or better fasteners are required (not included) with recommended torque of 6 N-m. Tighten to the fasteners recommended torque value, however do not exceed 13.3 N-m

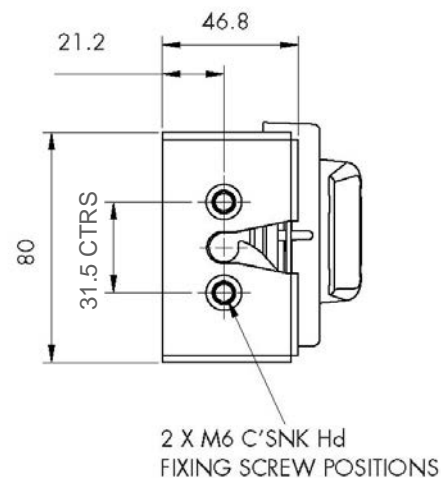
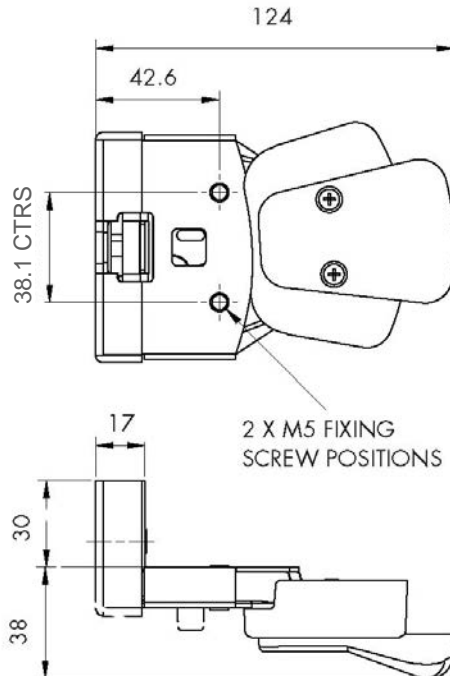


MATERIAL/FINISH:

- Inside release components: black moulded nylon cover covering sturdy zinc casting
- Painted steel case halves

Latch complies with FMVSS 206 when tested with West Alloy mounting plate and 070-7100 Striker Bolts in accordance with SAE J839

West Alloy Part No. 4700 / 4705 (opposite hand)



Technical Drawing shows 4700

050-7115 Single Rotor Latch - Paddle Op

This Single Rotor Latch is designed for operator door applications for off-highway vehicles on light to medium duty doors.

FEATURES/BENEFITS:

- Compact size and shape; allows maximum use of door space
- Requires direct actuation from exterior handle (030-7100)
- With left and right variants
- Available black finish reduces the need for secondary painting

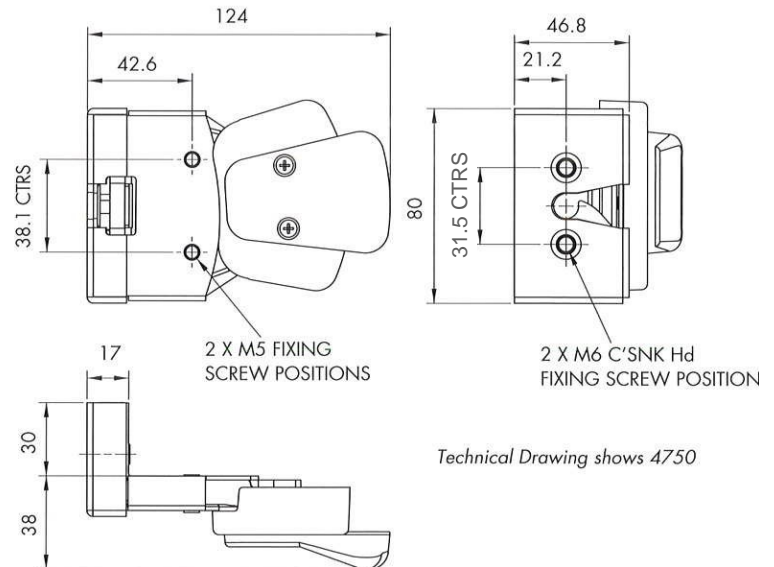
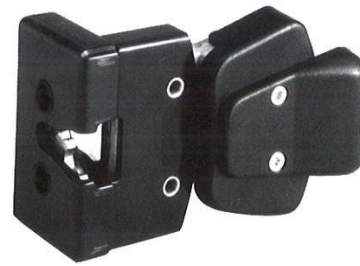
INSTALLATION:

- Easy to install - Recommended mounting fastener (2) CSK X M6 X 1 class 8.8 or better fasteners are required (not included) with recommended torque of 6 N-m. Tighten to the fasteners recommended torque value, however do not exceed 13.3 N-m

MATERIAL/FINISH:

- Inside release components: black moulded nylon cover covering sturdy zinc casting
- Painted steel case halves

Latch complies with FMVSS 206 when tested with West Alloy mounting plate and 070-7100 Striker Bolts in accordance with SAE J839



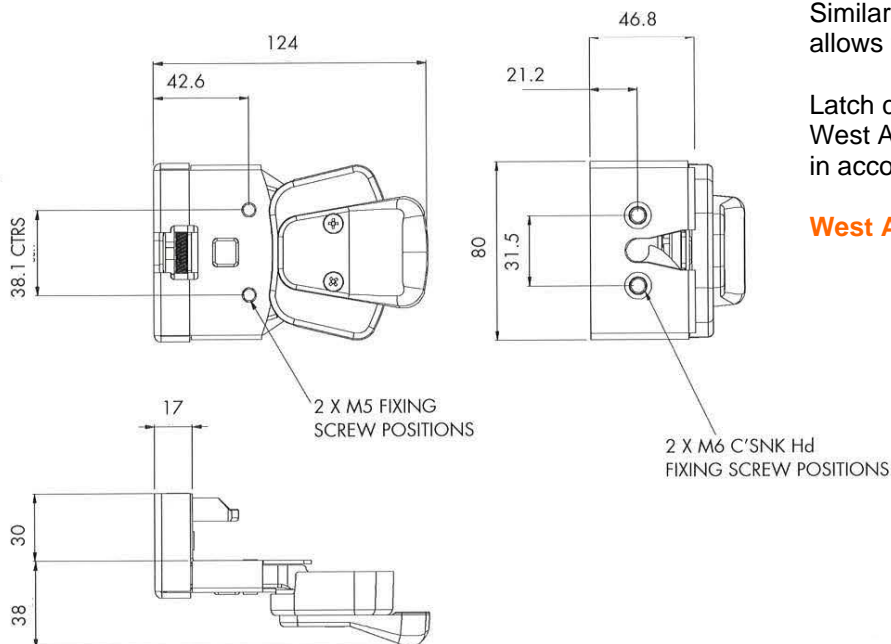
West Alloy Part No. 4750 / 4755 (opposite hand)

050-7117 Single Rotor Latch - PB Op

Similar to the 050-7115 (above) except the 050-7117 allows for use with exterior push button handles

Latch complies with FMVSS 206 when tested with West Alloy mounting plate and 070-7100 Striker Bolts in accordance with SAE J839

West Alloy Part No. 4760 / 4765 (opposite hand)



050-7120 Single Rotor Latch - Handrail

The 050-7120 Single Rotor Latch-Handrail was specifically designed for off-highway vehicle applications including agricultural and construction equipment that require a remote inside release. The construction is incorporated into rectangular tubing for support for the opening and closing functions of the door and provides for greater ease of operation (ergonomics) over direct releases



DESIGNED FOR:

- Use with various exterior push button handle assemblies or exterior flap handle assemblies

FEATURES/BENEFITS:

- Robust designed remote inside release is incorporated into rectangular tubing which gives additional door structure support and assistance for the opening and closing functions of the door
- Provides for greater ease of operation (ergonomics)
- Inside release can be positioned at two (2) points along the tube for convenient location to suit the door/cab design
- Inside release is connected by rods, cables or direct operation to the latch
- Tube is variable in length and angled to suit customer requirements providing flexibility in the product application
- Latch also incorporates its own cover

INSTALLATION:

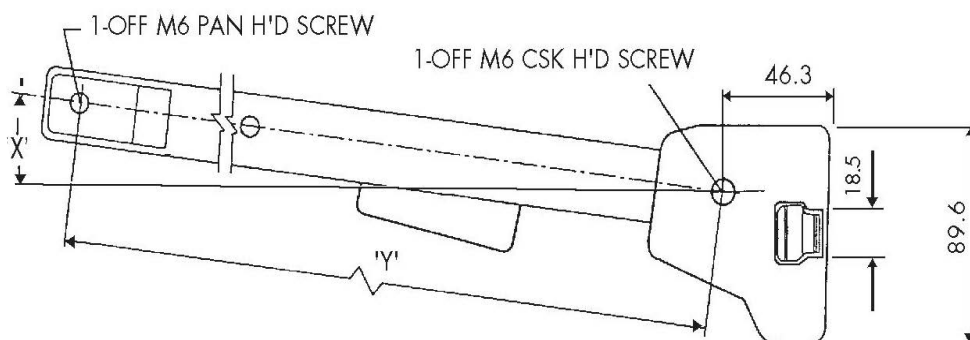
- Easy to install - provided with tubing pre-fastened to latch that requires a single fastener at the mounting end to secure the assembly to the door
- Tighten to the fasteners recommended torque value, however do not exceed 13.3 N-m

MATERIAL/FINISH:

- Inside release components: reinforced nylon
- Tubes: painted steel
- Mounting end: reinforced nylon

Caution: Latch does not meet FMVSS 206 load requirements.

West Alloy Part No. 4770 / 4775 (opposite hand)



Assembly No.	"Y" CRS	Angle "X"	Opposite Hand
4770	470.6mm	6"	4775



050-7140 Single Rotor Latch - Cable Release

A cable release version of the 050-7110 type interior which allows the interior release mechanism to be offset in any position to suite customer requirements.

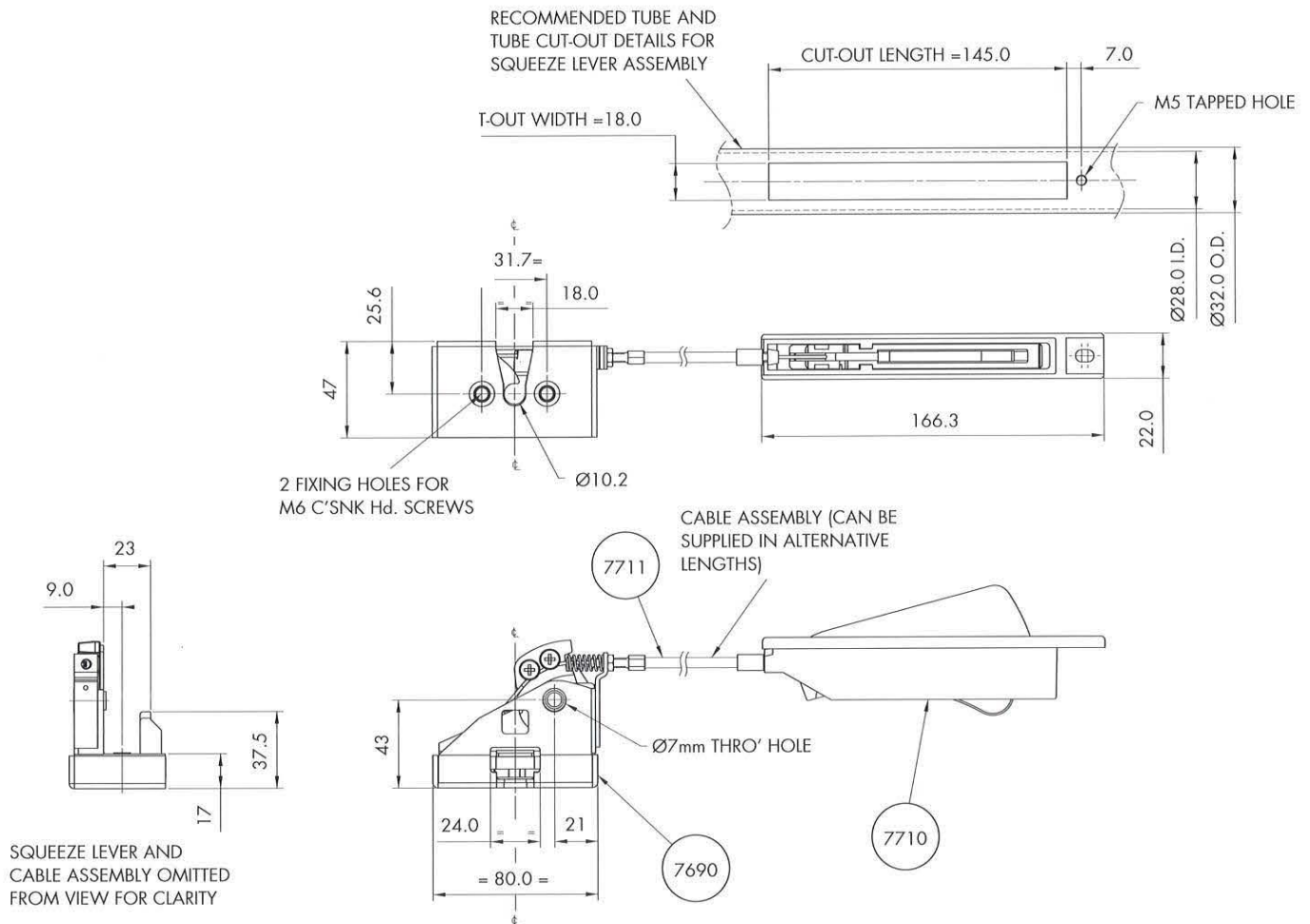
The release mechanism is designed to operate in a 32mm O/D tube (not supplied) and the cable can be supplied to any length to suite customer requirements.

INSTALLATION:

- Easy to install—recommended mounting fastener (2) CSK X M6 X 1 class 8.8 or better fasteners are required (not included) with recommended torque of 6 N-m. Tighten to the fasteners recommended torque value, however do not exceed 13.3 N-m

Caution: Latch does not meet FMVSS 206 load requirements.

West Alloy Part No. 7720 / 7725 (opposite hand)



050-7180 Finger Latch

This Finger Latch is designed for compartment door applications for off-highway vehicle including agricultural and construction equipment that require a simple inside release.

FEATURES:

- Compact size and shape; allows maximum use of door space
- Four standard variants; provides application flexibility
- Available black finish reduces the need for secondary painting

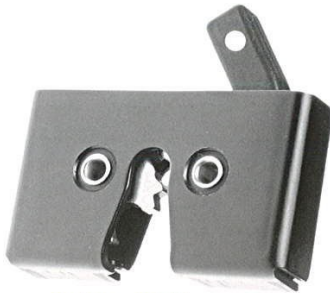
INSTALLATION:

- Easy to install—recommended mounting fastener 2 X M6 with recommended torque of 6 N-m.

MATERIAL/FINISH:

- Inside release components: nylon, painted steel

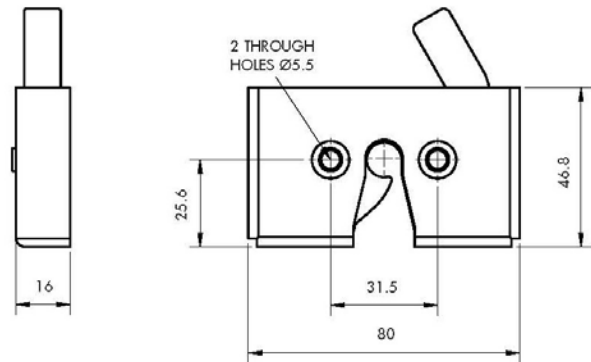
Caution: Latch does not comply with FMVSS 206 requirements



West Alloy Part No. 7472 / 7477 (opposite hand)



West Alloy Part No. 5359 / 5358 (opposite hand)

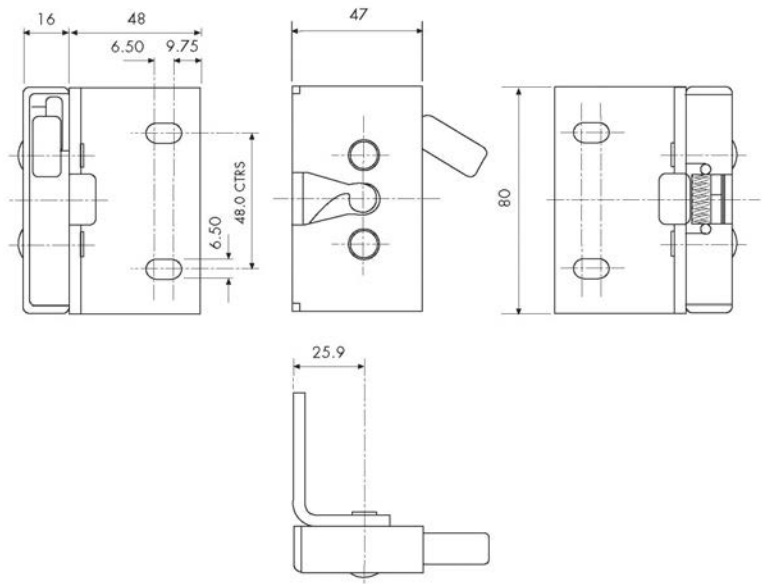


050-7185 Finger Latch - Mount Bracket

Latch is similar to the 050-7180 (above) except supplied with 90 degree fixing bracket

Caution: Latch does not comply with FMVSS 206 requirements

West Alloy Part No. 5360 / 5365 (opposite hand)



050-7200 HD Single Rotary Latch

Designed for use with various exterior push button handle assemblies.

FEATURES/BENEFITS:

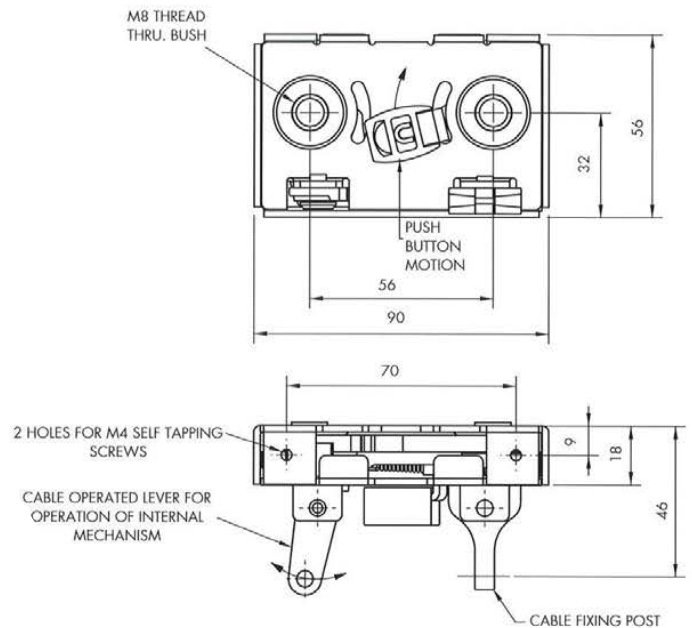
- Stronger version of anti-burst interior latch, can be operated remotely from the interior by cable or rod

INSTALLATION:

- Easy to install - Recommended mounting fastener (2) CSK X M6 X 1 class 8.8 or better fasteners are required (not included) with recommended torque of 6 N-m. Tighten to the fasteners recommended torque value, however do not exceed 13.3 N-m

Caution: Latch does not meet FMVSS 206 load requirements.

West Alloy Part No. 8100 / 8105 (opposite hand)



050-7240 HD Rotary Latch - Cable Release

An adaptation of Part No. 8100 (050-7200) which allows the exterior push button handle to be offset from the interior via a linkage rod.

FEATURES/BENEFITS:

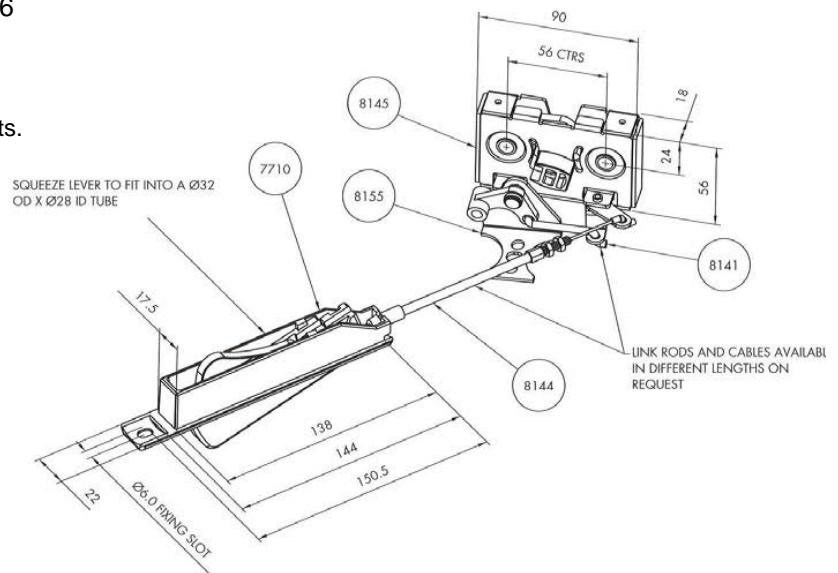
- Linkage rod can be produced to any length to suite customer requirements
- The interior release mechanism is designed to operate in a 32mm O/D tube (not supplied)

INSTALLATION:

- Easy to install—recommended mounting fastener (2) CSK X M6 X 1 class 8.8 or better fasteners are required (not included) with recommended torque of 6 N-m. Tighten to the fasteners recommended torque value, however do not exceed 13.3 N-m

Caution: Latch does not meet FMVSS 206 load requirements.

West Alloy Part No. 8200 / 8205 (opposite hand)



030-7100 Recessed Paddle Handle

This exterior flap handle is designed for entrance door applications for on-highway and off-highway vehicle in medium and heavy duty doors.

FEATURES/BENEFITS:

- Provides connection points for use on inside internal locking latches (see chart below)
- Handle can be keyed to match multiple key combinations or provided non-locking
- Same configuration will serve for both right and left

INSTALLATION:

- Installed in direct alignment of interior latch in horizontal orientation

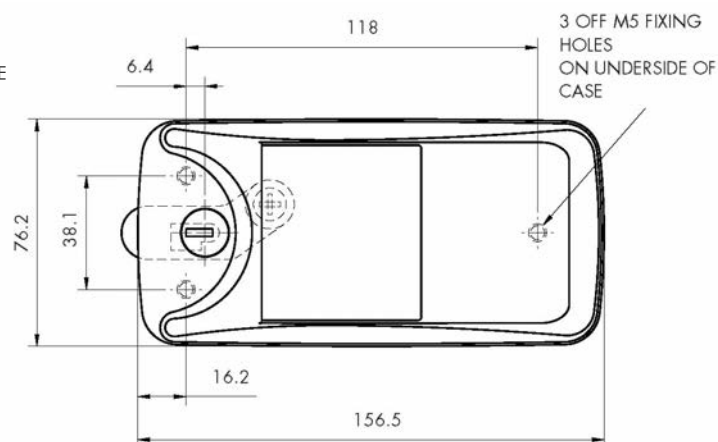
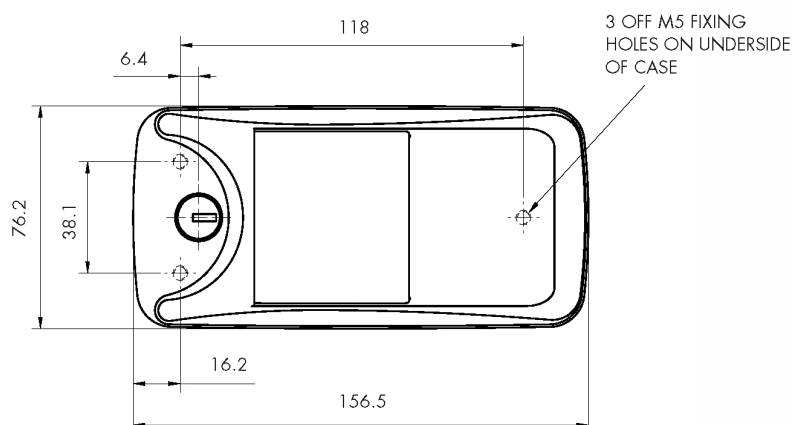
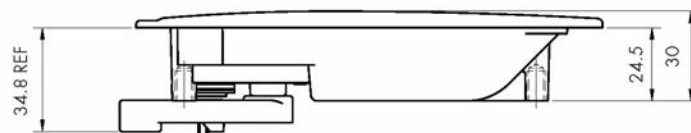
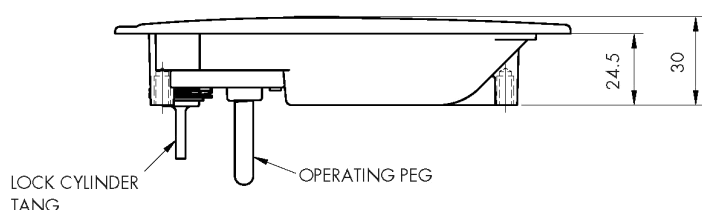
MATERIAL/FINISH:

- Paddle and housing: sturdy die cast zinc alloy
- Other components: zinc plated, mild steel
- Available in powder coated colors commonly black and silver

West Alloy Part No. 3240 / 4140 / 5150



Use With:	Part Nos.
050-7110 Single Rotor Latch/Inside Release	4700 / 4705
050-7117 Single Rotor Latch/Inside Release	4760 / 4765
050-7120 Single Rotor Latch/Inside Release	4770 / 4775
050-7105 Single Rotor Latch/Inside Release	5050 / 5055



040-7100 Budget Push Button Handle

This exterior push button handle is designed for off-highway vehicle applications that require a surface mounted exterior push button handle

FEATURES/BENEFITS:

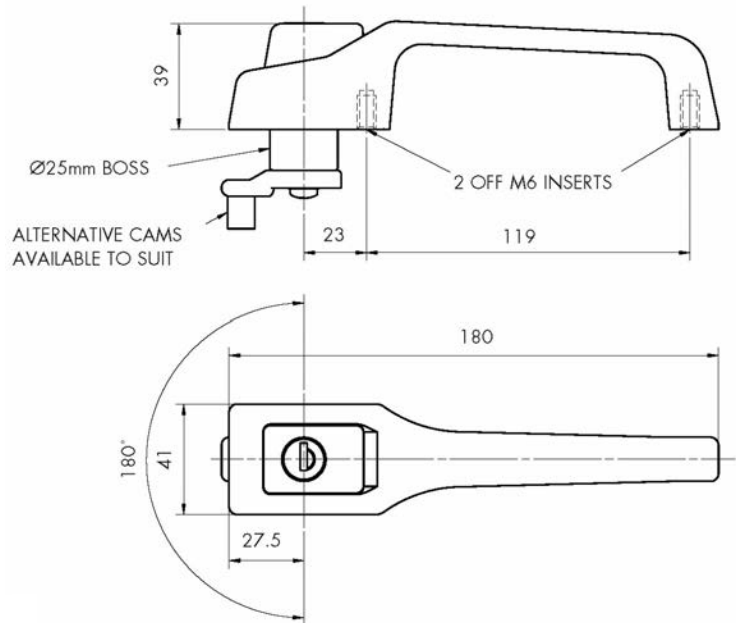
- European push button handle mounting configurations: 2 bolt 120mm
- Adaptable to a variety of door thickness with alternative cam options
- Can be keyed to match various key combinations or provided as non-locking

INSTALLATION:

- Installed with 2 M6 X 1.0 bolts (not included)
- Mounts against glass

MATERIAL/FINISH:

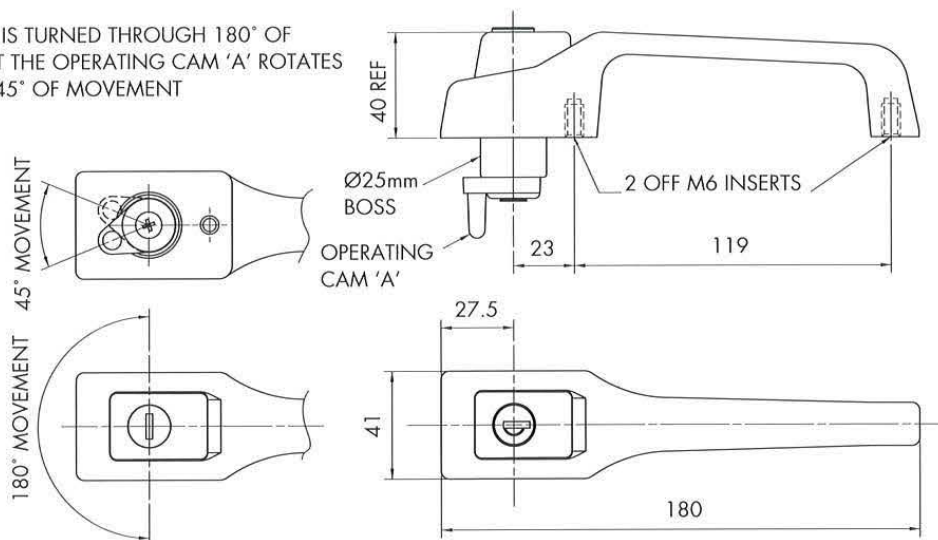
- Black glass reinforced nylon
- Brass threaded M6 inserts



West Alloy Part No. 4730



WHEN KEY IS TURNED THROUGH 180° OF MOVEMENT THE OPERATING CAM 'A' ROTATES THROUGH 45° OF MOVEMENT



West Alloy Part No. 4790

040-7200 Push Button Handle - Flat Style

This exterior push button handle is designed for off-highway vehicle applications that require a surface mounted exterior push button handle

FEATURES/BENEFITS:

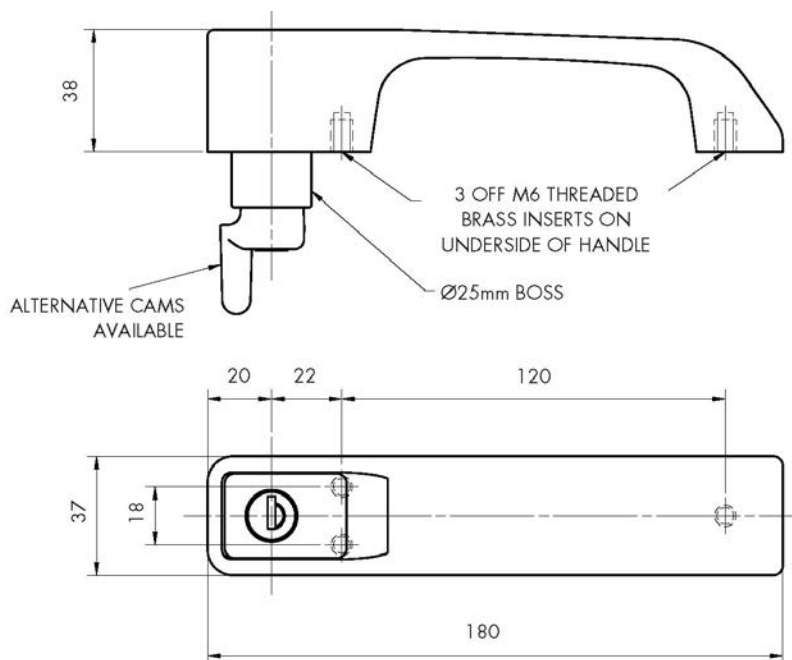
- European push button handle mounting configurations: 3 bolt 120mm,
- Adaptable to a variety of door thickness with alternative cam options
- Can be keyed to match various key combinations or provided as non-locking

INSTALLATION:

- Installed with 3 M6 X 1.0 bolts (not included)
- Mounts against glass

MATERIAL/FINISH:

- Black glass reinforced nylon
- Brass threaded M6 inserts



West Alloy Part No. 7440

040-7300 Push Button Handle - IPX5

This stylish push button handle is designed for off-highway vehicle applications that require a surface mounted exterior push button handle.

FEATURES/BENEFITS:

- Designed to be a water resistant ergonomic, functional and stylish
- With alternative cam options
- Can be keyed to match various key combinations

AVAILABLE:

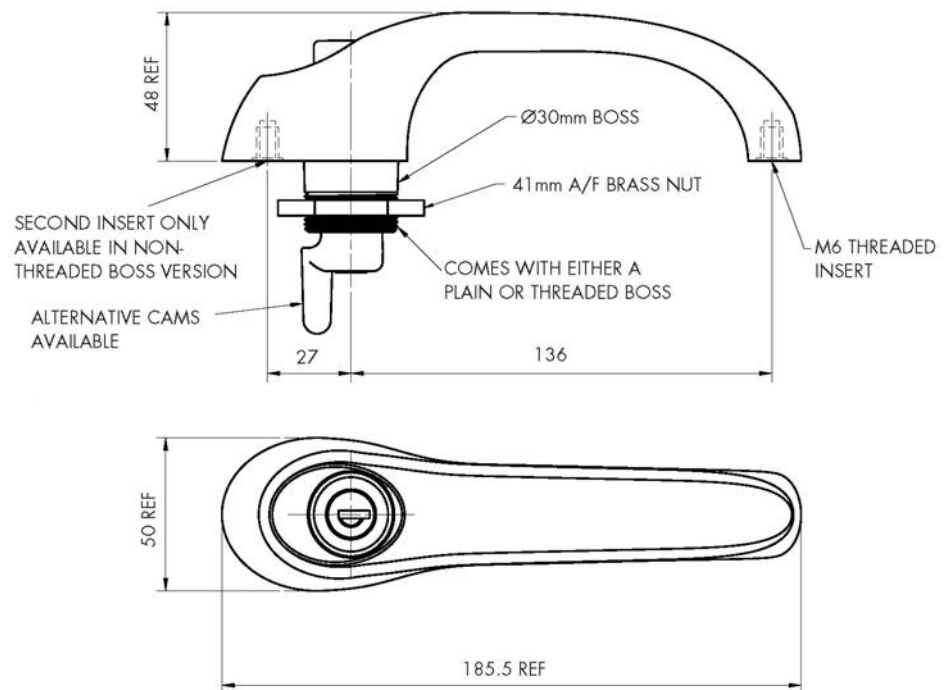
- Conventional 163mm 2-hole fixing or a 41mm center mount for through glass mounting

INSTALLATION:

- Install with 1 M6 X 1.0 possi pan head screw
- 1 X brass nut and 2 shake proof washer supplied
- Mounts against glass
- All fixings supplied

MATERIAL/FINISH:

- Black glass reinforced nylon
- Brass threaded M6 inserts
- Brass nut



West Alloy Part No. 8925
Threaded boss mount



West Alloy Part No. 8960
163mm conventional 2 hole fixing

020-7100 Flush Pull Handle

This stylish exterior pull handle is designed for light to medium agricultural and construction personnel and compartment doors. The adjustable actuation mechanism allows the handle to be used any orientation providing application flexibility.

FEATURES/BENEFITS:

- Ergonomic function and styling
- Flush mounting pull handle provides connection point for rod or cable operation
- Can be keyed to match multiple key combinations or provided as non-locking
- Same configuration will serve for both right and left hand
- Pull handle floats freely when locked

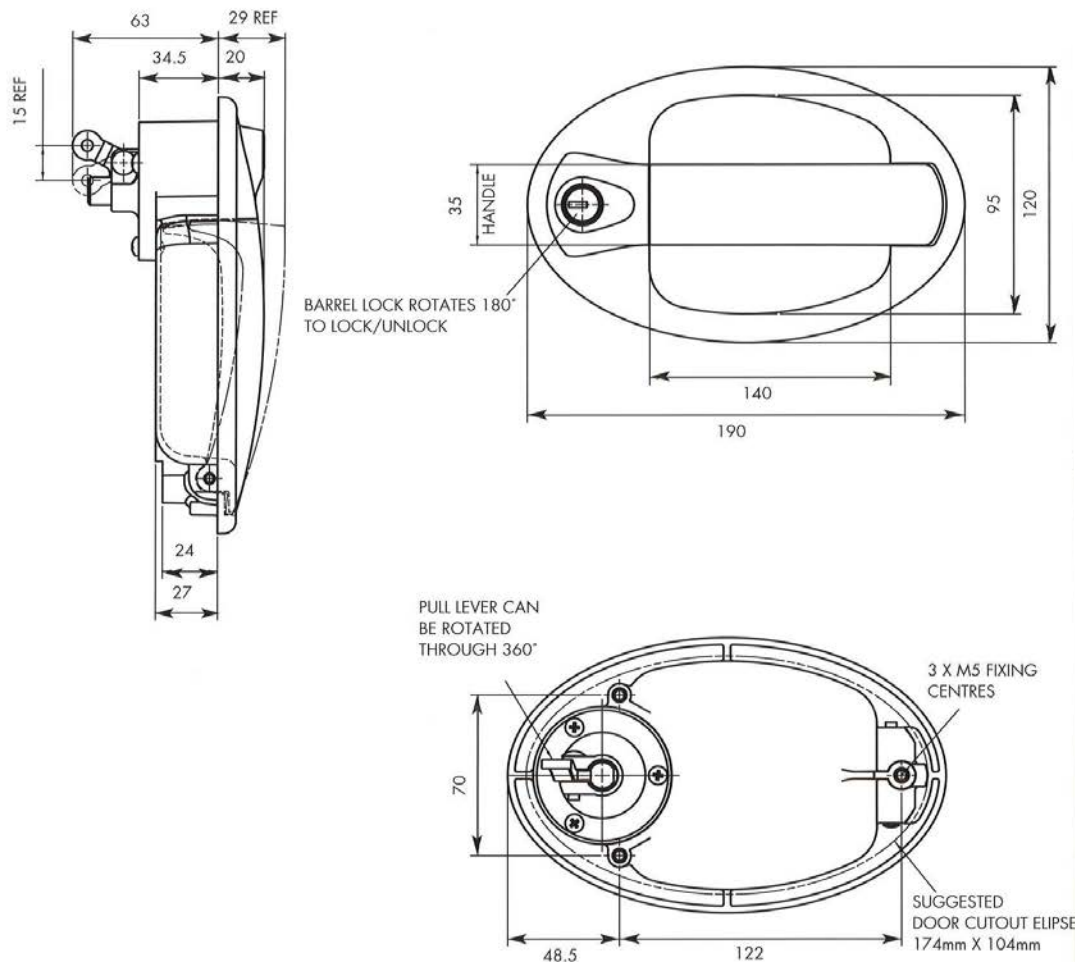
INSTALLATION:

- Non-handed can be installed in a wide range of locations in door through 360 degree orientation

MATERIAL/FINISH:

- Black nylon mounting: brass threaded M5 inserts
- Handle: gas injected black nylon

West Alloy Part No. 9700



090-7100 T-Style Window Stay

This T-style window stay is designed for top and side hinged venting windows and roof lights for on and off-highway vehicles. It is available with over-centre design (fully closed/fully open) or detented arm to position the window at intermediate positions and with or without a quick release pin.

DESIGNED FOR:

- Top and side hinged windows, roof lights and quarterlight vents for on and off-highway vehicles
- Suitable for glass and steel structure mounting

FEATURES/BENEFITS:

- T-handle is easy to operate
- Mushroom window fixings designed for 5mm or 6mm glass thickness

AVAILABLE:

- With over-centre design (fully closed/fully open) or detented arm to position the window at intermediate positions
- With or without quick release pin

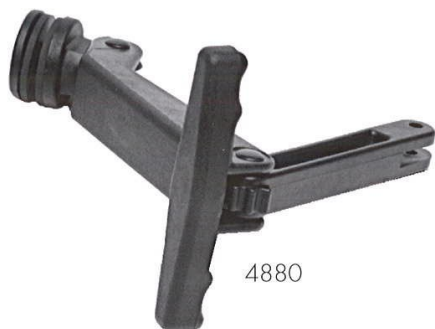
INSTALLATION:

- Installs through 13mm diameter hole

MATERIAL:

- Glass filled nylon (black)

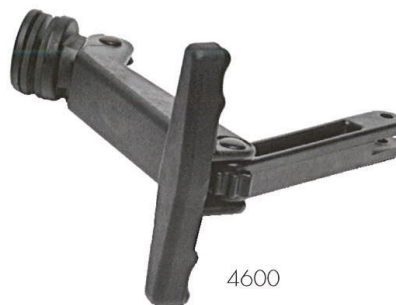
West Alloy Part No. 4600 / 5500 / 4880 / 5225



4880



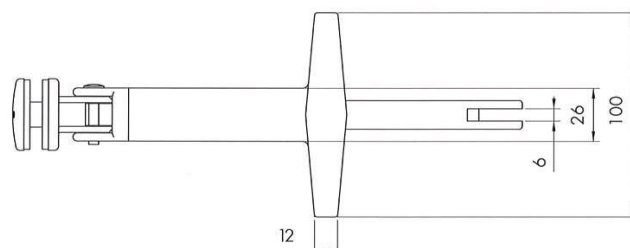
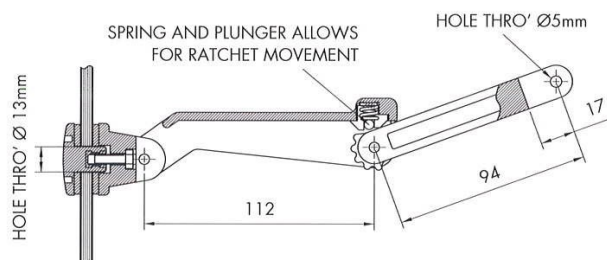
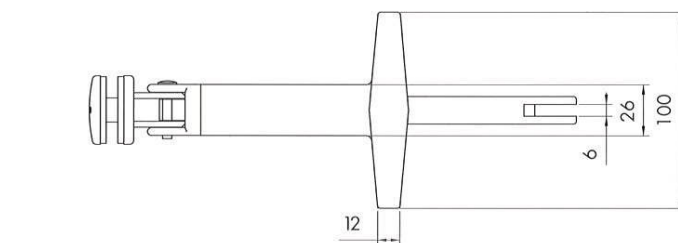
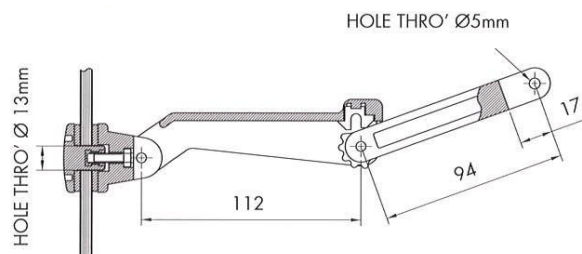
5225



4600



5500



090-7200 L-Style Window Stay

This L-style window stay is designed for top and side hinged venting windows and roof lights for on and off-highway vehicles. It features a detented arm to lock the window at intermediate positions and is available in right or left hand, with and without a quick release pin.

DESIGNED FOR:

- Top and side hinged windows, roof lights and quarterlight vents for on and off-highway vehicles
- Suitable for glass and steel structure mounting

FEATURES/BENEFITS:

- L-style handle is easy to operate
- Detented arm locks the window at intermediate positions
- Mushroom window fixings designed for 5mm or 6mm glass thickness

AVAILABLE:

- Right or left hand handle
- With or without quick release pin

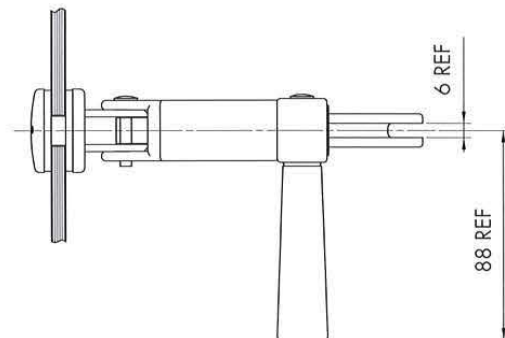
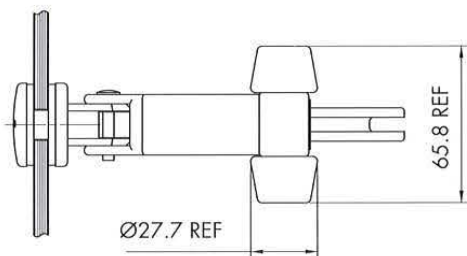
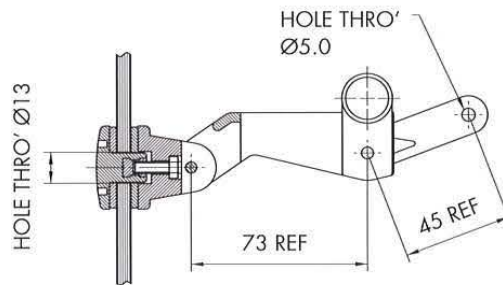
INSTALLATION:

- Installs through 13mm diameter hole

MATERIAL:

- Glass filled nylon (black)

West Alloy Part No. 4950 / 4955 / 7430 / 7435



090-7300 Double Window Stay

This double style window stay is designed for top and side hinged venting windows and roof lights for on and off-highway vehicles. It is available with over-centre design (fully closed/fully open) or detented arm to position the window at intermediate positions and with or without a quick release pin.

DESIGNED FOR:

- Top and side hinged windows, roof lights and quarterlight vents for on and off-highway vehicles
- Suitable for glass and steel structure mounting

FEATURES/BENEFITS:

- Extended handle is easy to operate
- Mushroom window fixings designed for 5mm or 6mm glass thickness

AVAILABLE:

- With overcentre design (fully closed/fully open) or detented arm to position the window at intermediate positions
- With or without quick release pin

MATERIAL/FINISH:

- Glass filled nylon (black)

INSTALLATION:

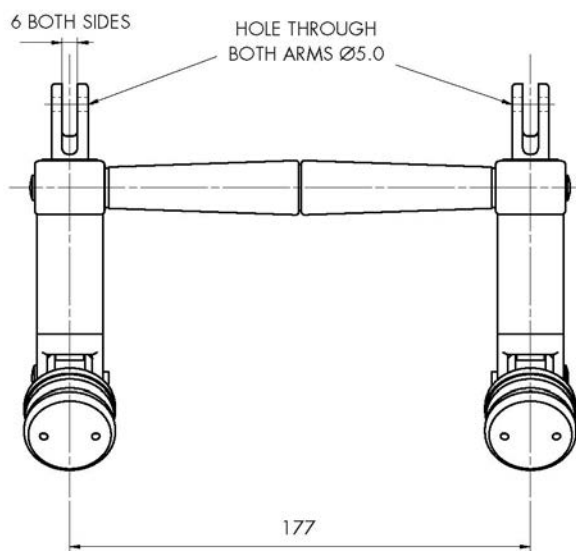
- Installs through 13mm diameter hole at 177mm centres



West Alloy Part No. 5195



West Alloy Part No. 7670
with Quick Release Pin



090-7400 Over-Center Catch

This over-centre latch assembly is designed as a direct replacement for steel versions where corrosion may be a problem.

FEATURES/BENEFITS:

- Locking pin can be replaced with a padlock (not supplied)

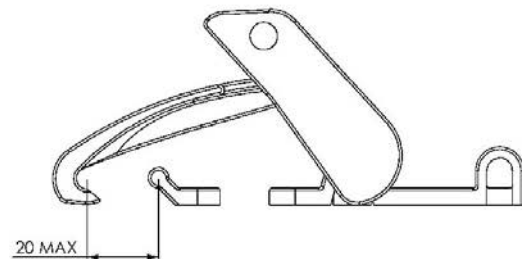
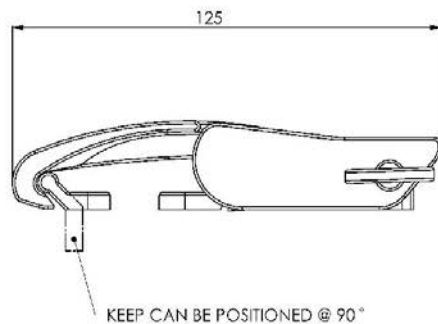
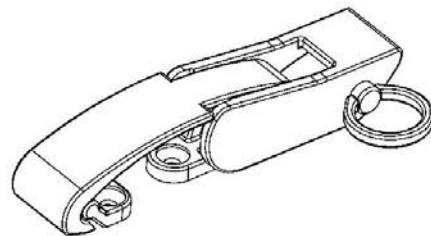
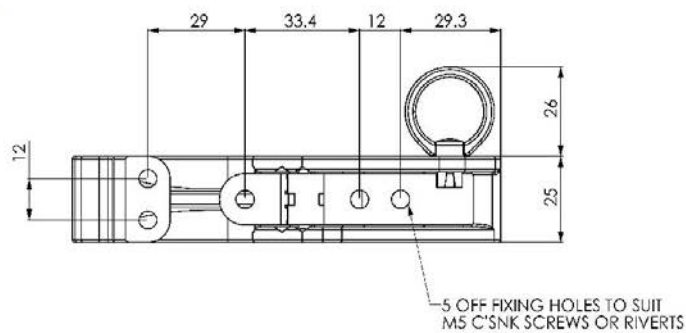
INSTALLATION:

- Can be used either with or without the keep

MATERIAL/FINISH:

- Nylon — black
- Other colours are available upon request

West Alloy Part No. 8700



010-7100 Window Handle Single Position

Off-highway vehicle applications that require window mounted L-handle.

FEATURES/BENEFITS:

- Designed to be used on hinged rear windows
- Ergonomic functional and style
- Mounting configuration 2 bolt 100mm and 60mm mounting patterns

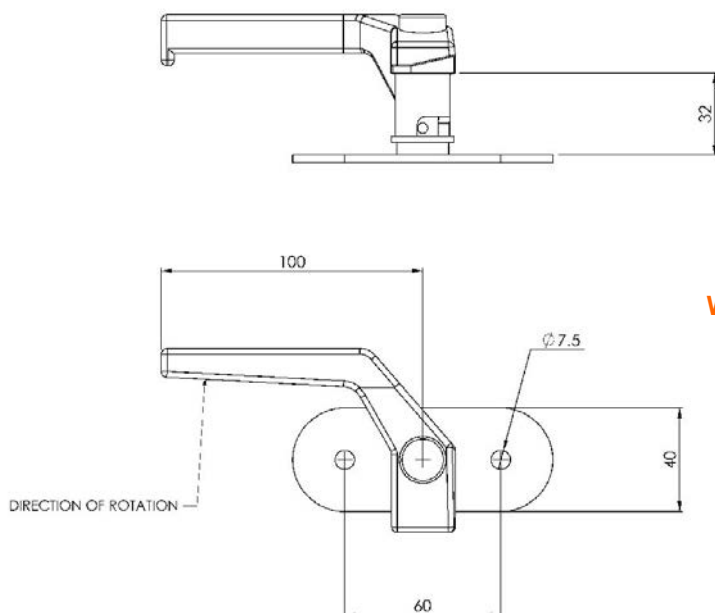
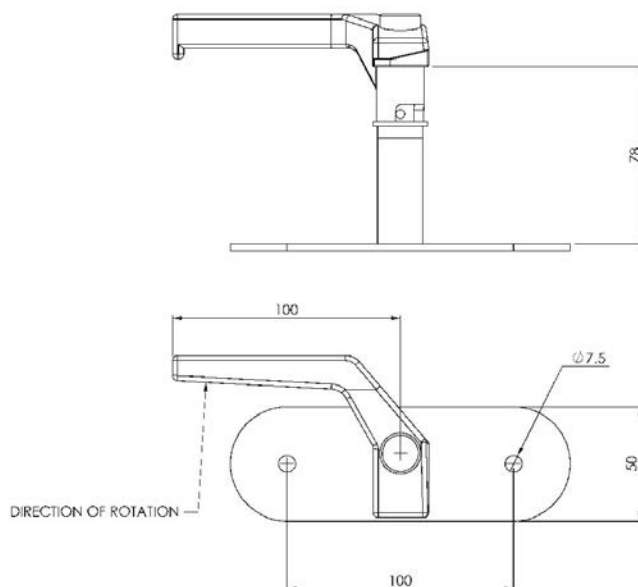
INSTALLATION:

- Installed with 2 M6 X 1.0 bolts (not included)

MATERIAL/FINISH:

- Black glass reinforced nylon handle
- Black electrophoretic coated mild steel

West Alloy Part No. 2570



West Alloy Part No. 2580



010-7200 Window Handle Double Position

Off-highway vehicle applications that require window mounted L-handle.

FEATURES/BENEFITS:

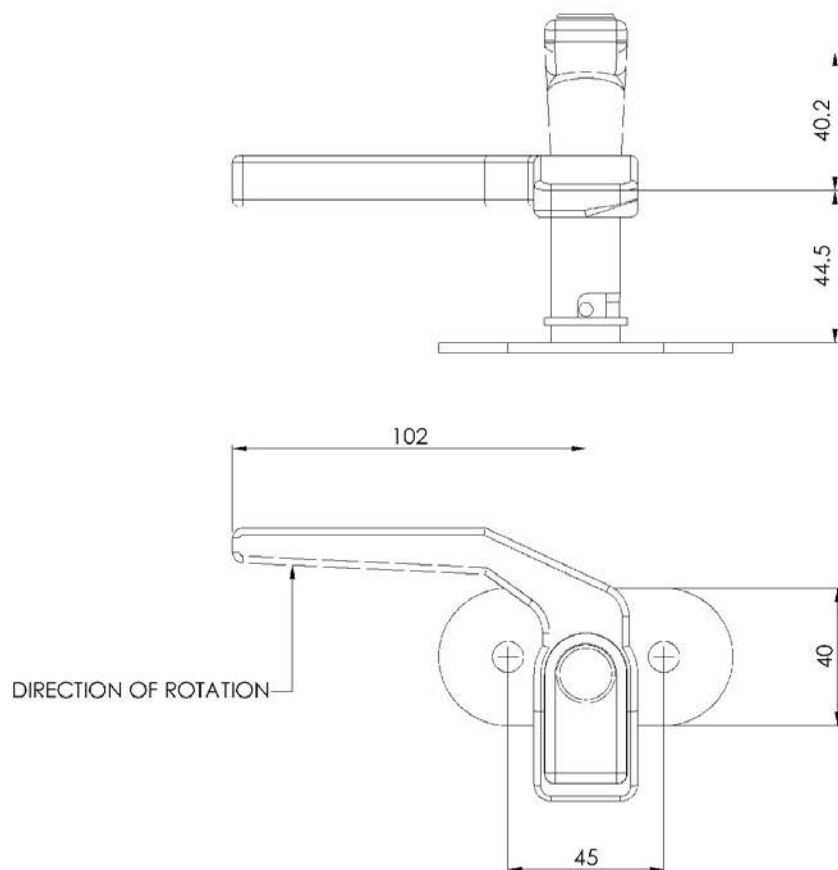
- Designed to be used on hinged rear windows
- Ergonomic functional and style
- Mounting configuration 2 bolt 40mm mounting pattern
- Used to secure window in a fully closed and partly open position

INSTALLATION:

- Installed with 2 M6 X 1.0 bolts (not included)

MATERIAL/FINISH:

- Black glass reinforced nylon handle
- Black electrophoretic coated mild steel



070-7100 Striker Bolts 10mm

These striker pins are designed for use with all West Alloy interior single rotary latches

FEATURES/BENEFITS:

- Simple, easy to install with mushroomed head

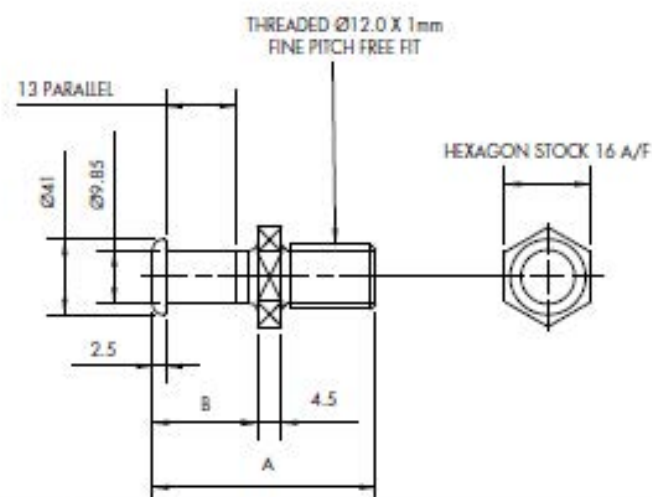
INSTALLATION:

- Threaded with M12 X 1mm fine pitch

MATERIAL/FINISH:

- Steel to 212M36 (En8M) zinc coated steel
- Zinc and clear passivate in accordance with Euro Directive 2002/95/EC

West Alloy Striker Bolts are designed and tested to meet or exceed FMVSS 206 safety requirements only when used with West Alloy compliant latches.



STRIKER INSTALLATION:

- Install striker bolt in door frame
- Close door carefully and check for interference between head of striker bolt and latch components
- Add or remove shims under striker bolt washer as required (outside diameter of shim should be larger than outside diameter of striker bolt washer)
- Adjust striker bolt vertically so door is not guided upward or downward while being closed
- CHECK TO DETERMINE THAT BOTH SECONDARY AND PRIMARY LATCHING POSITIONS ARE USABLE
- Door should be latched but not "closed" in secondary position with respect to adjacent surfaces in primary position
- If both primary and secondary positions are not evident, readjust striker bolt
- After installation, check door alignment and door seal pressures

West Alloy Part No.	"A" Dim.	"B" Dim.
4713	41.5	19.5
4722	49.0	19.5
4747	49.5	27.5
4756	60	35

I 30-7200 Door Hold-Open Single Release

Light to medium duty agricultural, construction or other equipment personnel doors that need to be held in an open position. Any application where it is desirable to hold or retain a hinged door in an open position.

FEATURES/BENEFITS:

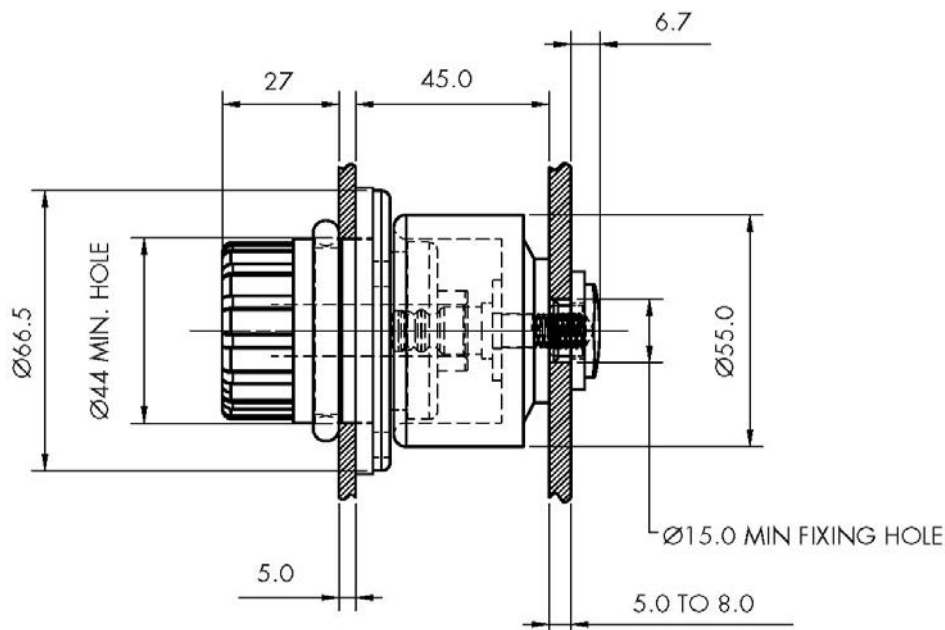
- Simple, easy to use
- Rotating knob/pin latch
- Engineered to withstand vibration, shock, dust, dirt and moisture
- Ergonomic knob design
- Rotating knob allows for the door to be released from the open position from the ground level
- Durability in tough applications
- Easily adaptable to a wide variety of door/cab configurations

INSTALLATION:

- Easy to install, can be mounted on glass or steel doors
- 1 X shouldered hat nut and large rubber O-ring (included)

MATERIAL/FINISH:

- Glass reinforced nylon—black
- Chromed steel latching pin
- Other parts; zinc coated steel



I 30-7250 Door Hold-Open Dual Release

Light to medium duty agricultural, construction or other equipment personnel doors that need to be held in an open position. Any application where it is desirable to hold or retain a hinged door in an open position.

FEATURES/BENEFITS:

- Simple, easy to use
- Can be operated manually from both inside and outside of cab
- Can be used to operate from a remote position
- Rotating knob/pin latch
- Engineered to withstand vibration, shock, dust, dirt and moisture
- Ergonomic knob design
- Rotating knob allows for the door to be released from the open position from the ground level
- Durability in tough applications
- Easily adaptable to a wide variety of door/cab configurations



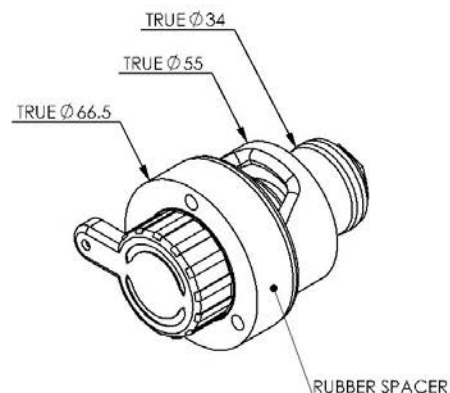
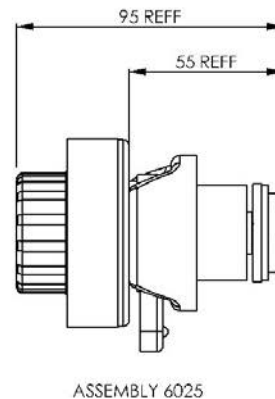
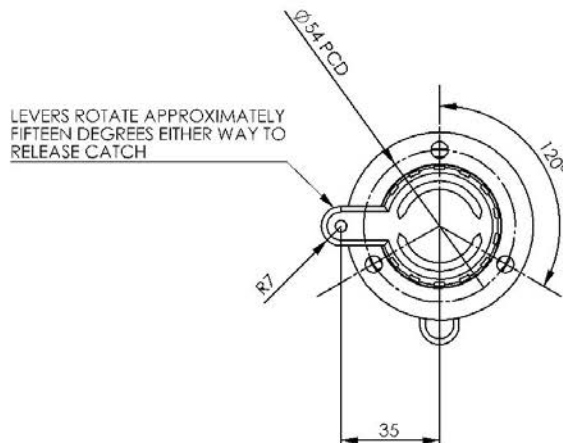
INSTALLATION:

- Easy to install, can be mounted on glass or steel doors
- 1 X shouldered hat nut and large rubber O-ring (included)

MATERIAL/FINISH:

- Glass reinforced nylon—black
- Chromed steel latching pin
- Other parts; zinc coated steel

West Alloy Part No. 6018



I 30-7300 Window Lock

This window lock is designed to secure sliding windows and releases easily with a push of the button

FEATURES/BENEFITS:

- Simple, easy to use

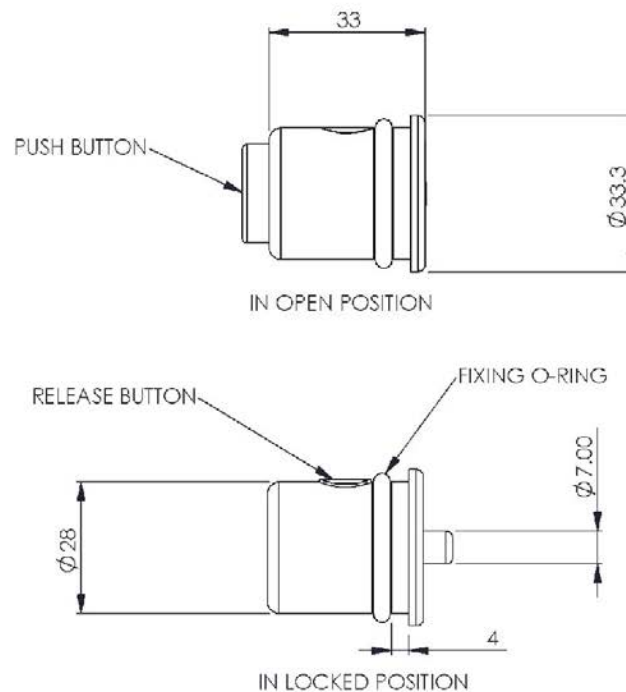
INSTALLATION:

- Designed to fit through 28mm diameter hole in 4mm thick panel
- Secured in place with O-ring

MATERIAL/FINISH:

- Glass reinforced nylon — black with red push button

West Alloy Part No. 6007



200-7100 Hinge Assembly - Aluminum

This aluminum hinge is designed for off-highway vehicle applications on storage compartment or hinged windows

FEATURES/BENEFITS:

- Designed to be used vertically mounted with same type fixing at both ends
- Mounting configuration 2 M8 bolt, 76mm mounting pattern

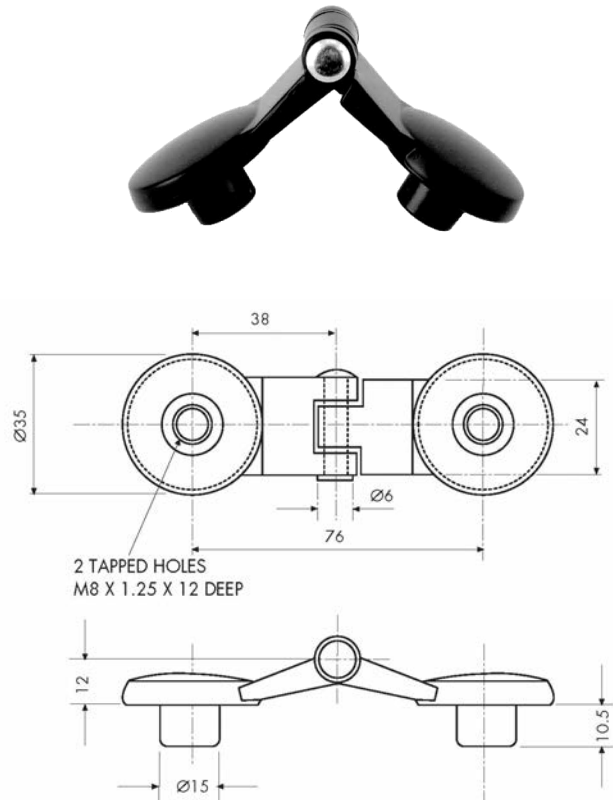
INSTALLATION:

- Install with either 2497-03 or 2498-03 or other suitable M8 fixing bolts (not included)

MATERIAL/FINISH:

- Die cast aluminum
- Black or grey powder coated

West Alloy Part No. 2499



200-7200 Hinge Leaf - Aluminum / Male

This aluminum hinge leaf is designed for off-highway vehicle applications on storage compartment or hinged windows

FEATURES/BENEFITS:

- Designed to be used vertically mounted
- Mounting configuration M8 bolt

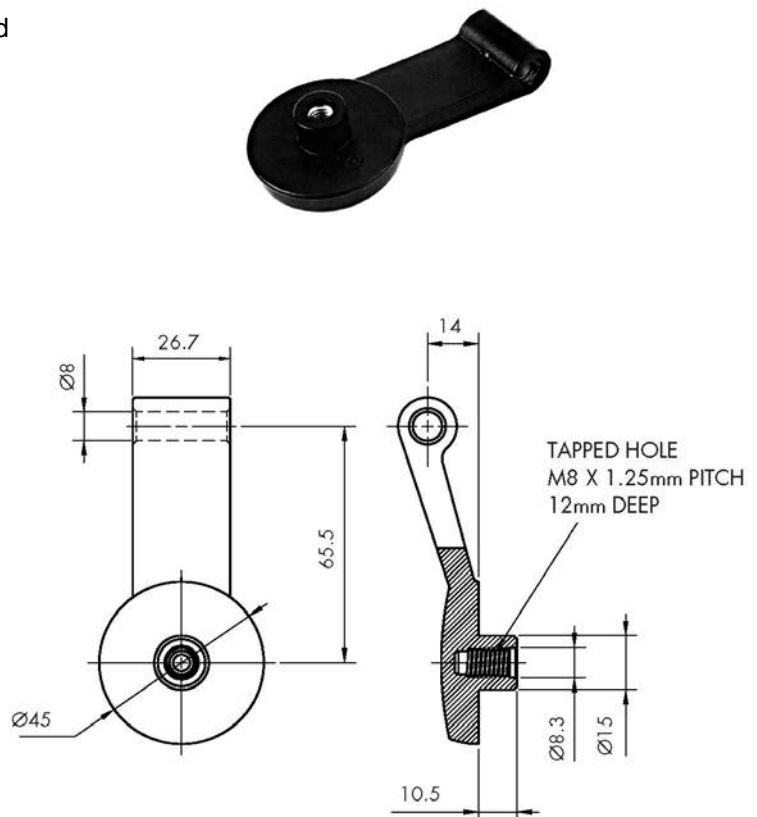
INSTALLATION:

- Designed to be retained on the tractor cab frame by a bracket (not supplied) and on the glass by screw fixings part numbers 2497 or 2498

MATERIAL/FINISH:

- Die cast aluminum
- Black or grey powder coated

West Alloy Part No. 2504



200-7300 Hinge Leaf - Aluminum / Female

This aluminum hinge leaf is designed for off-highway vehicle applications on storage compartment or hinged windows

FEATURES/BENEFITS:

- Designed to be used vertically mounted
- Mounting configuration M6 bolt

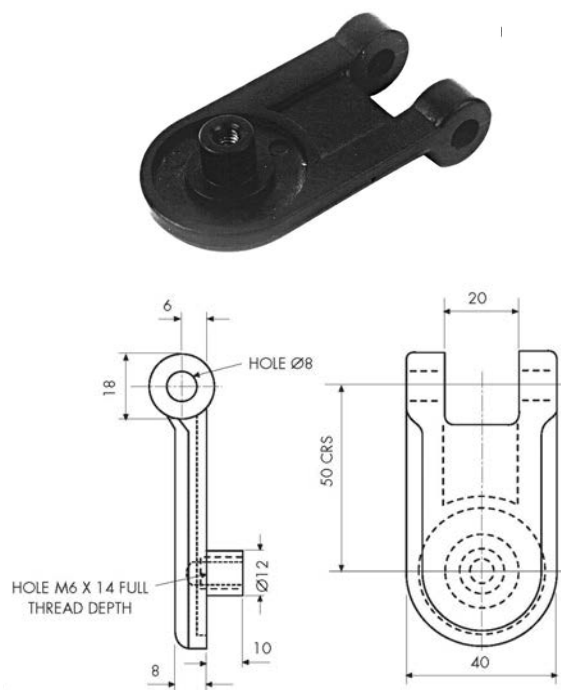
INSTALLATION:

- Designed to be retained on the tractor cab frame by a bracket (not supplied) and on the glass by screw fixings (not supplied)

MATERIAL/FINISH:

- Die cast aluminum
- Black or grey powder coated

West Alloy Part No. 2505



200-7400 Hinge Assembly - Zinc

This hinge is designed for general purpose applications on storage compartment or hinged windows

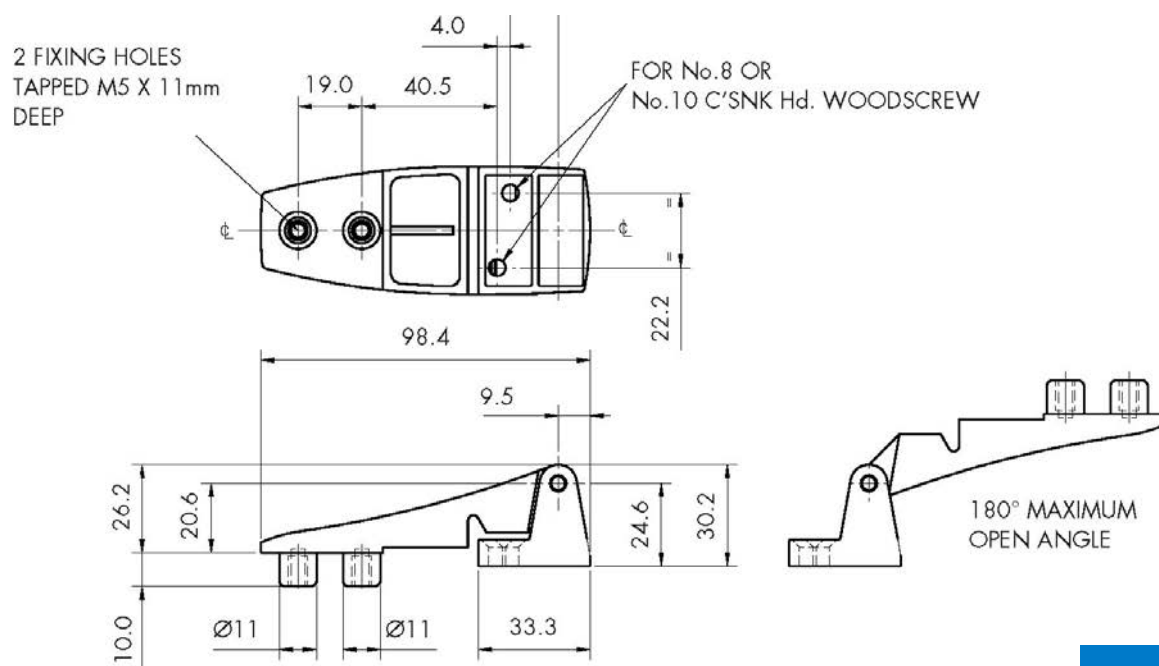
FEATURES/BENEFITS:

- Mounting configuration 2 M5 bolts

MATERIAL/FINISH:

- Die cast zinc
- Black or grey powder coated

West Alloy Part No. 3170



FMVSS 206 (ECE 11)

TriMark designs and manufactures a variety of safety related components and door systems for a multitude of applications that are used for on and off-road applications. The National Highway Traffic Safety Administration (NHTSA) has a legislative mandate under Title 49 of the United States Code, Chapter 301, Motor Vehicle Safety, to issue Federal Motor Vehicle Safety Standards (FMVSS) and Regulations (as well as ECE 11 of the Economic Commission for Europe of the United Nations (UN/ECE) to which manufacturers of motor vehicles and items of motor vehicle equipment must conform and certify compliance. Specifically, FMVSS 206 (ECE 11) is a safety standard for Door Locks and Door Retention Components and is dependent on door application, e.g. front and rear hinged doors, sliding doors, or hinged upward swinging rear doors. The entire door hardware system must be included in the design/analysis process: latches, strikers, handles, lock mechanisms, rods/linkages, fasteners, hinges, etc. This ensures compatibility of all components within the hardware system. If FMVSS 206 (ECE 11) is a requirement, then all of the components within the door system must comply with strength, inertia and locking requirements (if applicable) as specified within the Standard.

Applications of Products within this catalog may fall within the requirements of FMVSS 206 (ECE 11) and SAE J839 safety standards for on-road and off-road operator entrance doors. TriMark offers FMVSS 206 (ECE 11) compliant door systems, but the final requirements and compliance lies with the end vehicle manufacturer.

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TriMark[®]

Service & Replacement Parts

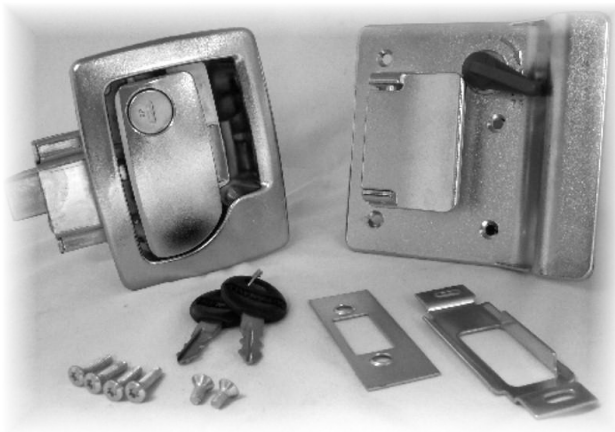


TriMark Service and Replacement Parts provides the standard vehicular hardware products and keys to OEM's in the construction, agriculture, truck (on and off-road), recreational vehicle and enclosure markets. We provide products such as latches and handles, striker bolts and locks, hinges and window hold-opens to RV dealers, locksmiths, specialty vehicle and other end users.

Welcome to TriMark Service & Replacement Parts

TriMark Service & Replacement Parts, a division of TriMark Corporation, provides the standard vehicular hardware products and keys to OEM's in the construction, agriculture, truck (on- and off-road), recreational vehicle, and enclosure markets. We also serve RV dealers, locksmiths, specialty vehicle users and others. Our products include a variety of latches and handles, striker bolts and locks, hinges and window hold opens. TriMark also has key blanks and the ability to cut keys to TriMark codes.

Customer service is a priority. We know the door latches and handles used in the RV industry and will help you identify which part you require and provide technical assistance if needed. With any order, large or small, you'll receive personalized service and attention to detail. Our dedicated staff is ready to help with your replacement hardware requirements. For many of our customers we support "just-in-time", repair part packaging, and stocking programs. We have engineers available to assist in the proper selection and application of our products and help with the identification of repair or service parts.



Products -- Setting the Standard

TriMark enjoys an excellent reputation as a leading designer and manufacturer to the on- and off-road vehicle and industrial hardware industries. We provide latching and access solutions for the agricultural, truck, construction, recreational vehicle, and enclosure markets. Our products have become the "standards" by which others are compared.

We manufacture a variety of latches, handles, striker bolts, linkage, and related components for domestic and overseas markets that are innovative, field proven and value priced.

KeyOne™ Plus

An improved KeyOne™ Plus system is available for certain TriMark products. Enhanced features include a reversible key for ease of operation and a larger body diameter for enhanced security. Please call for information.



Look for the KeyOne™ trademark identifying products that are available with this system.

U.S. Patent No. 5,606,882

Restriction of Hazardous Substance (RoHS)

TriMark is committed to our goals of surpassing environmental standards and being proactive in dealing with concerns for the environment. Our initial efforts focus on complying with all applicable environmental regulations within each country/region in which we do business.

As an example, TriMark has identified and selected a zinc plating process that replaces hexavalent chromium with trivalent chrome. This plating process was carefully tested, evaluated and chosen based on its ability to provide a high quality appearance and corrosion protection performance. TriMark has begun to initiate this process change to the trivalent chrome zinc plating during the third quarter of 2006, and will be complete by the 31st of December 2006, after which we will not manufacture any parts using hexavalent chrome.

FMVSS 206 Statements

Certain TriMark products are listed as either in compliance or excluded from all or part of the standard. These products have been thoroughly tested in accordance with SAE J839 for the load requirements. This is a U.S. standard and covers the door locks and door retention components for passenger cars, multipurpose passenger vehicles, and trucks. The entire door hardware system must be included in the design process: latch, handle, rods/linkages, fasteners, hinges, etc. This ensures compatibility of all components within the hardware system. If FMVSS 206 is a requirement, then all of the components must comply with strength, inertia and functional requirements.

Other regulations and directives that are similar in scope for other countries may also apply, but require an application review to determine conformance. Final door system certification is the responsibility of the vehicle manufacturer.

TriMark Electrical/Electronic Solutions

If security and convenience are two of the major attributes your customers demand for the electronics in their vehicle doors, TriMark has the answer. Full functionality and state-of-the-art design and manufacturing means you can depend on TriMark electronics to be working many years down the road.

Radio Frequency -- TriMark's radio frequency offers remote controlled keyless entry for end user convenience and security.

Keypad -- TriMark's keypad offers true keyless entry for end user convenience and security.

Actuators -- TriMark's reliable and durable actuators are available in several styles and options.

Drawings/Dimensions

Individual part dimensions are for reference only. Refer to individual part drawings for complete dimensions, specifications, and installation procedures. Engineering assistance and application drawings are available.

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010-0300



010-0600



020-0150



020-0700



030-0100



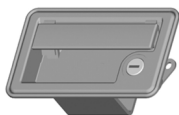
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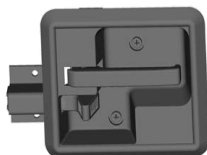
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030-0300



030-0400



030-0425



030-0450



060-0460



030-1100



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030-0900



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030-1450



040-0500



040-0550



030-1400



030-1425



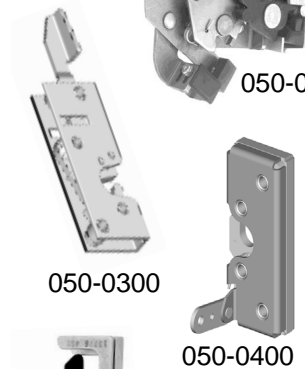
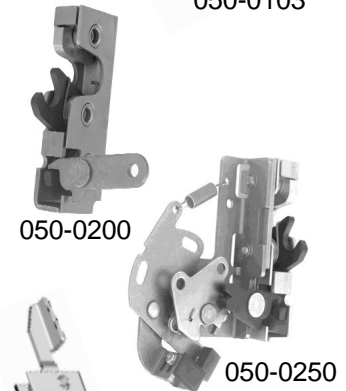
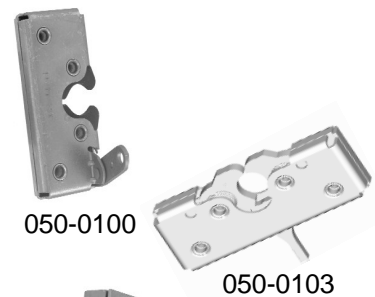
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010-0300 Locking L-Handle

Locking L handles provide simple exterior rotating handle functions for surface mounted applications.

DESIGNED FOR:

- General purpose use for off-highway cab doors or storage, compartment and access doors for on or off-highway applications

FEATURES/BENEFITS:

- Ample finger clearance
- Easily installed with oval or flat head No. 10 fasteners (not included)
- Locking L-handle assembly provides 360° rotation and locks at 90° increments

AVAILABLE:

- Mounting hole patterns and escutcheons (bases) for different finger clearances
- Drive bar lengths, with or without holes or threaded rods
- Keyed CH751 and other key codes
- Drive bar attached to handle by drilling and pinning
- Locking or non-locking:
 - Standard finger clearance (Type 1 and 2)
 - Extended finger clearance (Type 4)
 - Low profile (Type 3)
- 1.50 or 1.75 mounting hole spacing



FINISH:

- Handle and escutcheon: copper-nickel chrome plated or black powder coated
- Drive bar: mill finish

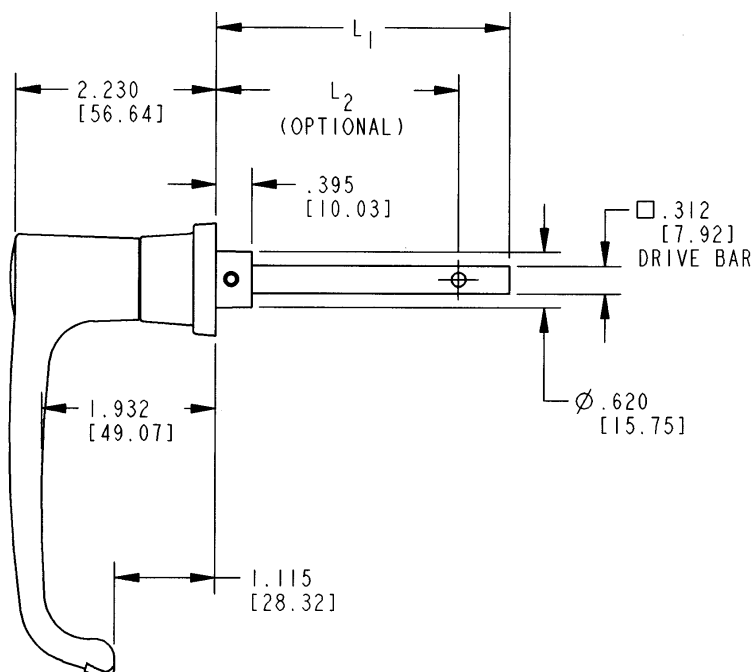
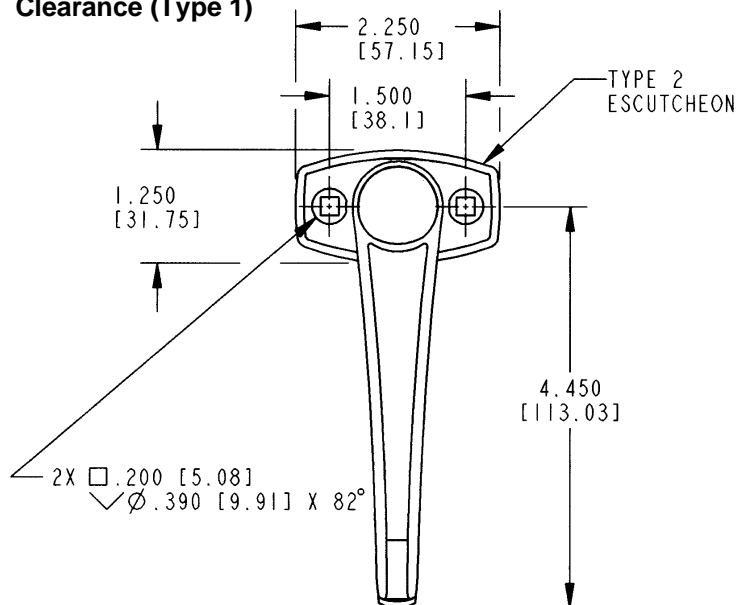
MATERIAL:

- Handle and escutcheon: die cast zinc alloy
- Drive bar: mild steel

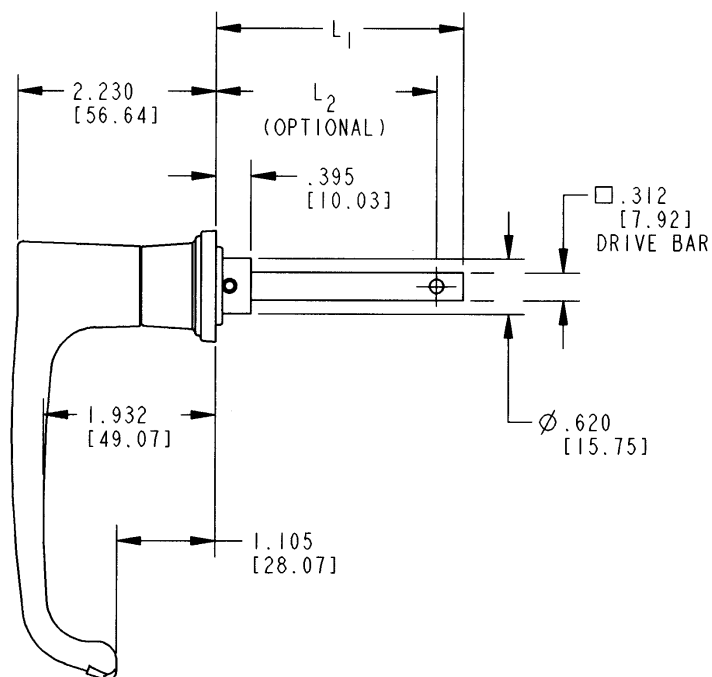
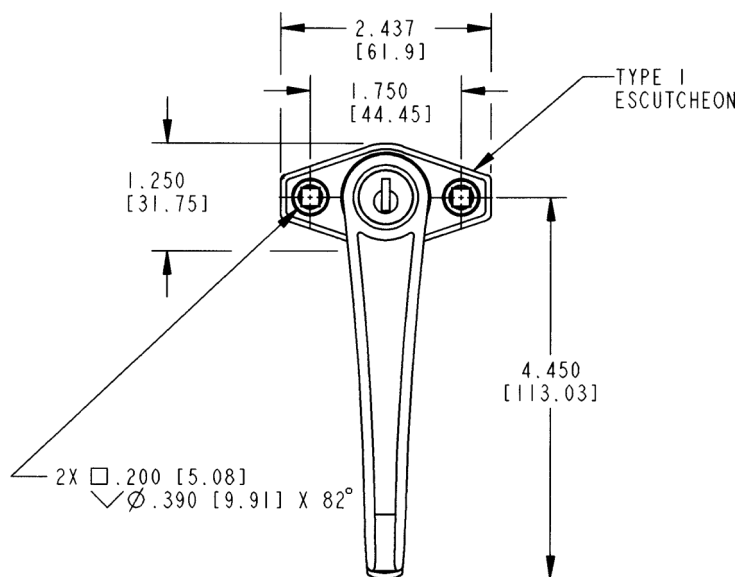
SPECIFY WHEN ORDERING:

- Series number
- Escutcheon type
- Drive bar length (L1) and optional hole location (L2)

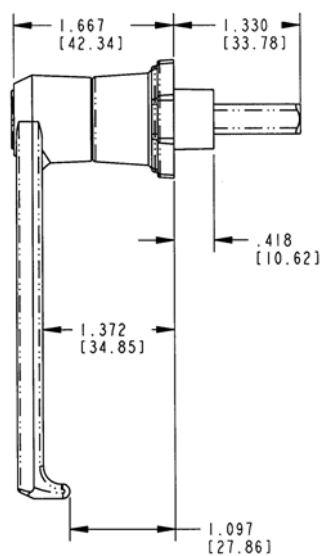
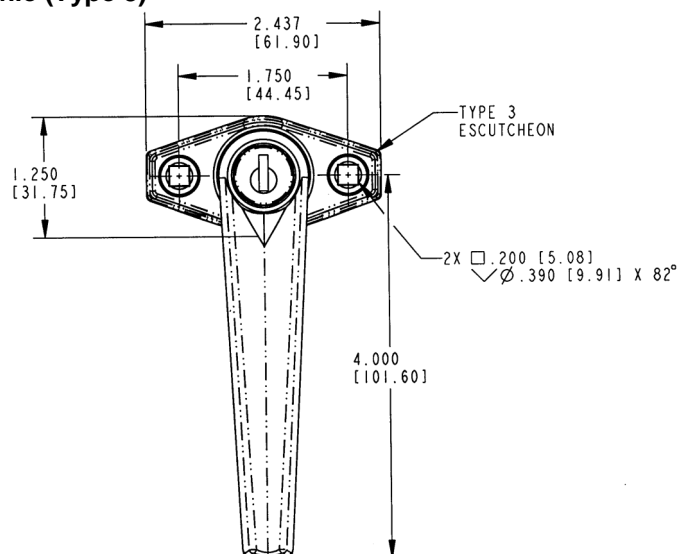
Standard Finger Clearance (Type 1)



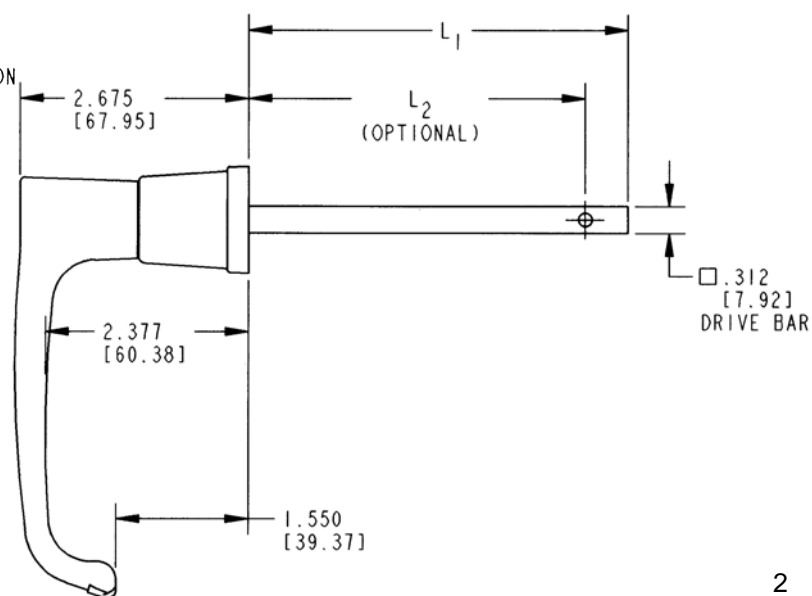
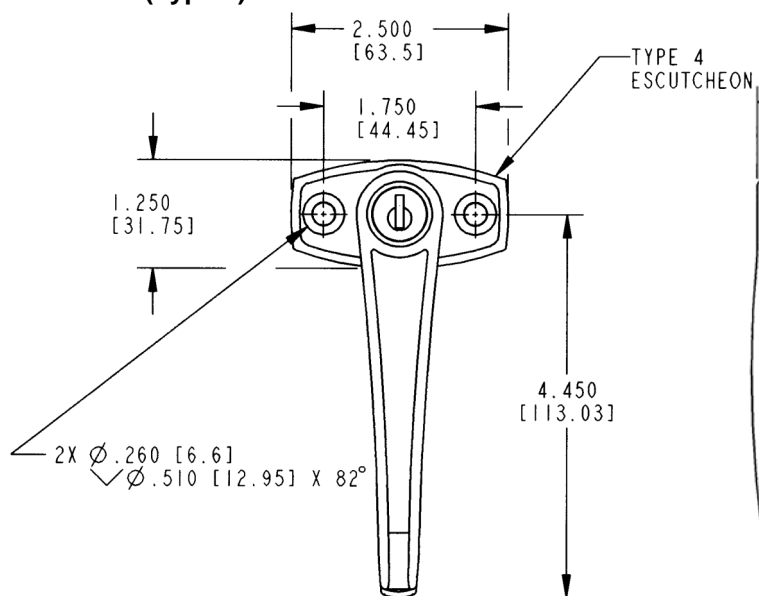
Standard Finger Clearance (Type 2)



Low Profile (Type 3)



Extra Finger Clearance (Type 4)



010-0600 Flush Mounted Pop-Up T-Handle

This handle was designed for toppers, lift-gate and baggage doors where 1/4 turn cam locking is desired. It features a low profile handle that pops-up when actuated for ease of use and is available in several rotations, drive bar lengths and finishes.

FEATURES/BENEFITS:

- Flush mounted - when "T" handle is depressed, rivets and fastener heads are concealed
- Rubber gasket under base provides resistance to water infiltration

AVAILABLE:

- Key lockable with 50 key codes available or keyed alike. Non-locking version is also available
- 1, 2, or 3-point locking
- 90 degree or 150 degree rotation
- 2.500" (63.5mm) or 3.500" (88.9mm) drive bar lengths
- Clockwise or counterclockwise rotation

MATERIAL:

- Shuttered keyway: stainless steel
- All major components: zinc alloy
- Drive bar: zinc plated steel
- Internal (2) springs: stainless steel

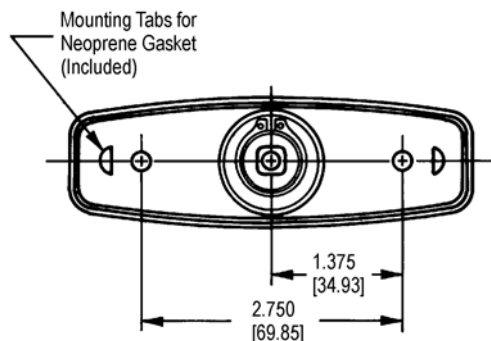
FINISH:

- Black powder coated or white

INSTALLATION:

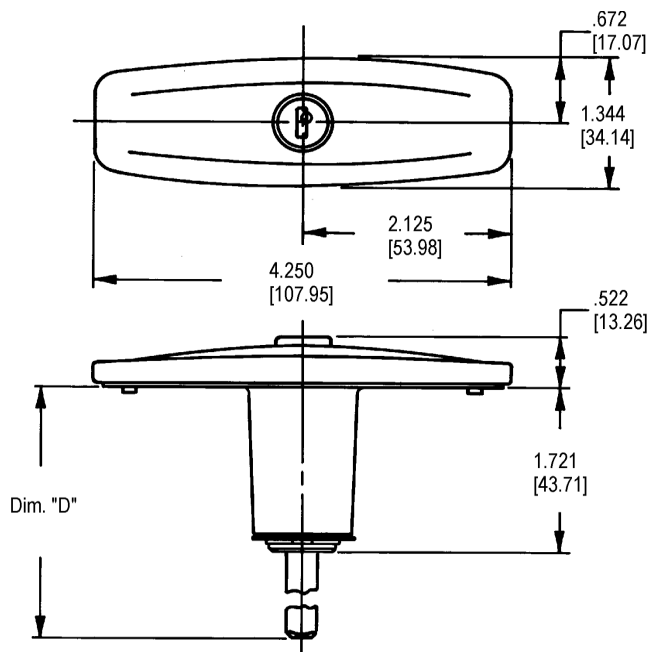
- Easy installation with (2) No. 10 fasteners or rivets
- Recommended door mounting - 1.125" diameter (28.6mm) thru hole

U.S. Patent No. 4,689,976



DRIVE BAR CHART	
Dimension "D"	
2.500	[63.5]
3.500	[88.9]

010-0600 Flush Mounted Pop-Up T-Handle					
Part #	Rotation	Degree	Finish	Key Code	Drive Bar Length
11738-02	Clockwise	90°	White	TM911	3.5"
11738-04	Clockwise	90°	Low Gloss Black	TM911	2.5" Threaded
11738-05	Clockwise	90°	Low Gloss Black	TM901-951	3.5"
11738-06	Clockwise	90°	Low Gloss Black	TM911	2.5"
11738-37	Clockwise	90°	Low Gloss Black	TM911	3.5"
11739-37	Clockwise	90°	Low Gloss Black	Non-locking	3.5"
12051-37	Counterclockwise	150°	Low Gloss Black	TM901-950	3.5"
12466-06	Counterclockwise	90°	Low Gloss Black	TM911	3.5"
12466-37	Counterclockwise	90°	Low Gloss Black	TM901-950	2.5" Threaded
13147-01	Clockwise	90°	Low Gloss Black	TM901-950	3.5"
13946-01	Clockwise	150°	Low Gloss Black	TM901-950	3.5"



020-0150 Grab Handle

This stylish entry assist handle for RV coaches, motor homes and travel trailers is available with a lighted acrylic bar for safety and convenience.

FEATURES/BENEFITS:

- Offers modern styling with premium look and feel
- Rugged and durable construction
- Perfect interior complement for the 540-0200 Lighted Grab Handle With Keypad (e-GRAB)

AVAILABLE:

- With or without handle rod light
- Handle rod can be personalized with manufacturer's name, model and logo
- Your choice of handle lengths

INSTALLATION:

- Easy to install with (8) 1/4" or M6 fasteners (not supplied)

FINISH:

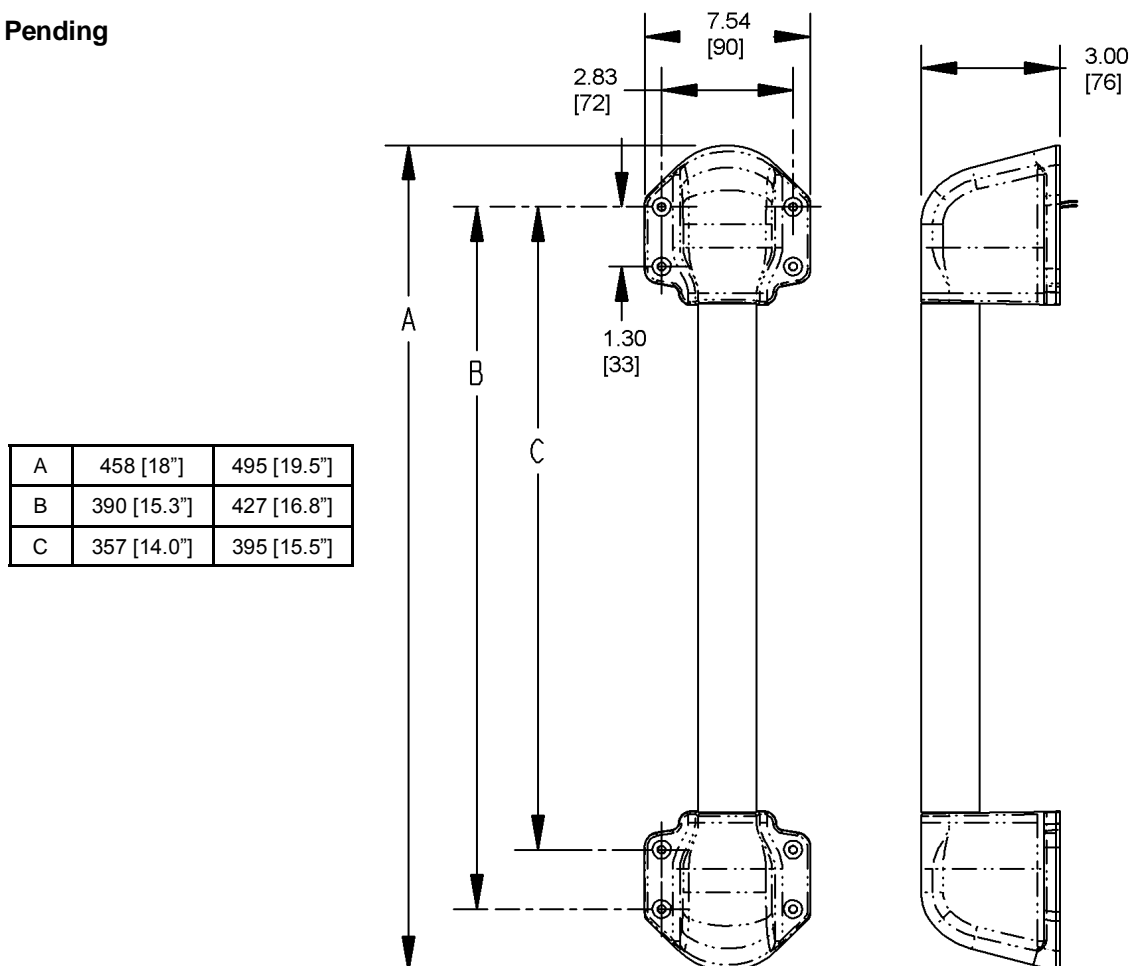
- High quality polished copper-nickel-nickel chrome is durable and stylish

MATERIAL:

- Sturdy zinc die cast alloy mounting end caps
- Cast acrylic rod in clear finish



Patents Pending



020-0700 Flush Pull Handle

This pull handle was specifically designed for compartment and entrance doors for heavy truck, service truck, ambulance, fire/rescue and off-highway vehicles. It offers ergonomic function and styling, is adaptable for power door lock actuation and has a "free-floating" handle when locked.

- Class 7-8 trucks
- Utility bodies
- Ambulance
- Fire/rescue
- Off-highway vehicles (light duty)

FEATURES:

- Ergonomic function and styling
- Can be keyed to match common ignition locks (not included - please inquire)
- Paddle is "free-floating" when locked and used with appropriate latch/linking with lock logic
- Adaptable for power door lock actuator
- Interior or exterior applications
- Housing flange and internal gaskets provided for resistance to water and dirt infiltration

AVAILABLE:

- Right and left hand configurations (right hand shown)
- Locking and non-locking



MATERIAL:

- Housing: glass reinforced black nylon, brass threaded mounting studs
- Handle: glass reinforced black nylon
- Pivot plate: mild steel

FINISH:

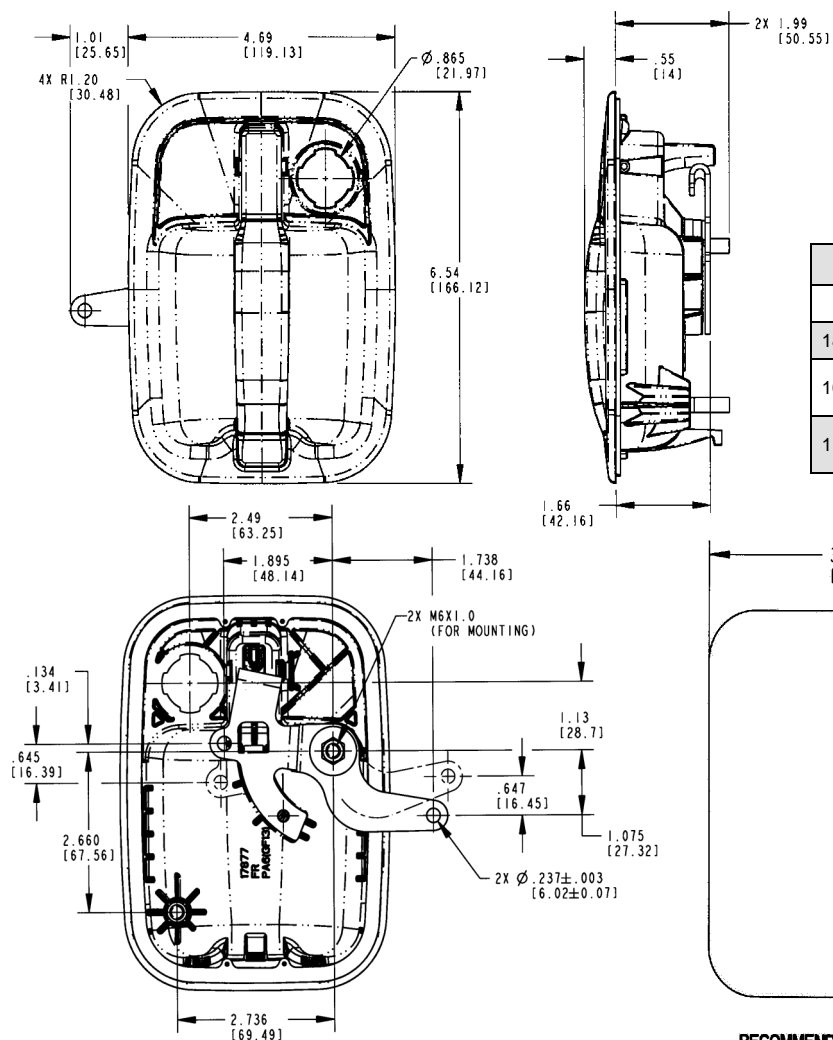
- Black housing, black nylon handle
- Zinc plated clear chromate steel components

INSTALLATION:

- Easy mounting with (2) M6 nuts
- Recommended mounting fastener torque 30-40 in-lbs (3.3-4.4 N-m)
- Either horizontal or vertical orientation
- Non-handed standard mounting bracket (sold separately)

Meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval.

U.S. Patent No. 6,802,544 and 6,805,388
Design Patent No. D489,957



020-0700 Flush Mounted Pop-Up T-Handle				
Part #	Handing	Finish (Handle)	Locking	Pivot Plate
18609-01	Non-handed	Black (Plastic)	Non-locking	2-Point
10330-35	Right Hand	Black (Plastic)	Locking (lock sold separately)	2-Point
11414-09	Left Hand	Black (Plastic)	Locking (lock sold separately)	2-Point

030-0100 Single Rotor Compartment Latch

Designed for most medium to heavy-duty storage and compartment doors, this product features an integrated rotary latch for ease of installation and use.

- On or off-highway vehicle applications--construction, mining, agricultural
- Service and utility truck body doors
- Fire and rescue unit vehicles
- Most storage, compartment and access doors with latch and strike location at top or sides of door
- Door weights of approximately 75 lbs (34 kg) or less

AVAILABLE:

- Keyed alike with shuttered keyway, key code LL11
- Keyed random
- Padlockable

MATERIAL:

- Housing and paddle: die cast zinc alloy
- Other components: zinc plated, mild steel
- Internal latch components: case hardened, smooth edge stamped steel

FINISH:

- Clear chromate, ready to paint



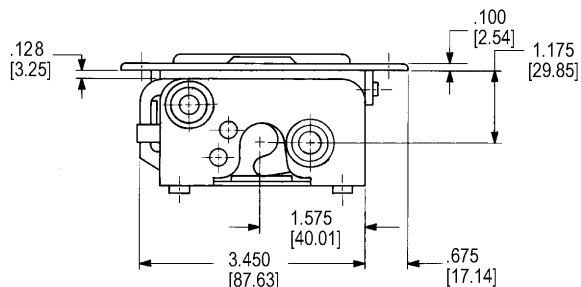
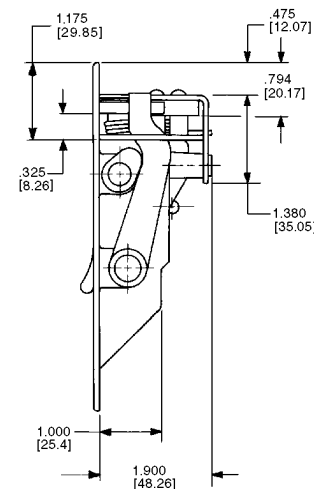
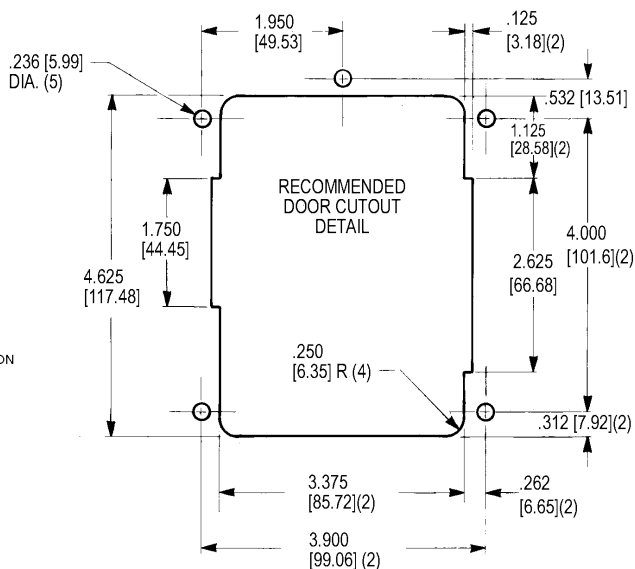
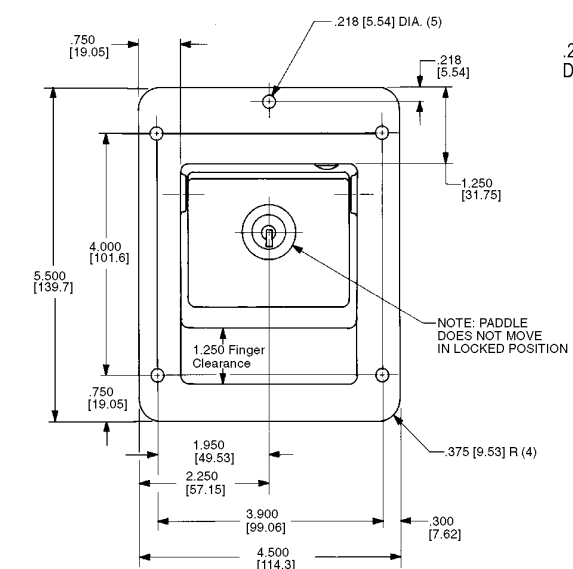
INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied on all critical moving parts

INSTALLATION:

- 3/16" (4mm) diameter fasteners
- See Appendix for Latch and Striker Installation

Caution: Compartment latch does not meet FMVSS 206 load requirements.



030-0100 Single Rotor Compartment Latch		
Part #	Finish	Key Code
10330-09	Yellow Chromate	LL11
10330-35	Copper-Nickel-Chrome	LL11
11414-09	Yellow Chromate	Padlock

030-0175 Stamped Steel Compartment Latch

This compartment latch was designed for light to medium duty storage and compartment doors. Available in buffed stainless steel or plated mild steel, this product features an integrated rotary latch for ease of installation and use and is available in a power lockable version.

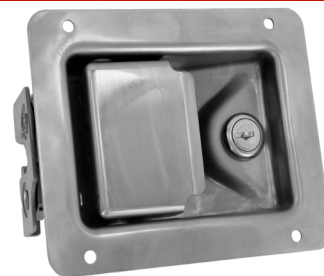
- On or off-highway vehicle applications
- Service and utility truck body doors
- Fire and rescue unit vehicles
- Most storage, compartment and access doors with latch and strike location at top or sides of door
- Door weights of approximately 75 lbs (34 kg) or less

AVAILABLE:

- In locking or non-locking configurations
- Keyed alike
- Keyed random. 50 keycodes available
- 2-point pivot plate for doors that require a 2-point latching mechanism (030-0185)
- Optional gasket for flange of housing is available to provide resistance to water and dirt infiltration
- Power lock actuation
- Customer logo on paddle (please inquire)

FINISH:

- Buffed and polished stainless steel
- Zinc plate clear chromate conversion coat over mild steel for maximum paint adhesion and resistance to rust



MATERIAL:

- Housing and paddle: 300 series stainless steel
- Mild steel also available on housing and paddle
- Other components: zinc plated, mild steel
- Internal latch components: case hardened, smooth edge stamped steel
- Stainless steel non-corrosive springs and rivets

INSTALLATION:

- 3/16" (4mm) diameter fasteners
- Blind mount option also available

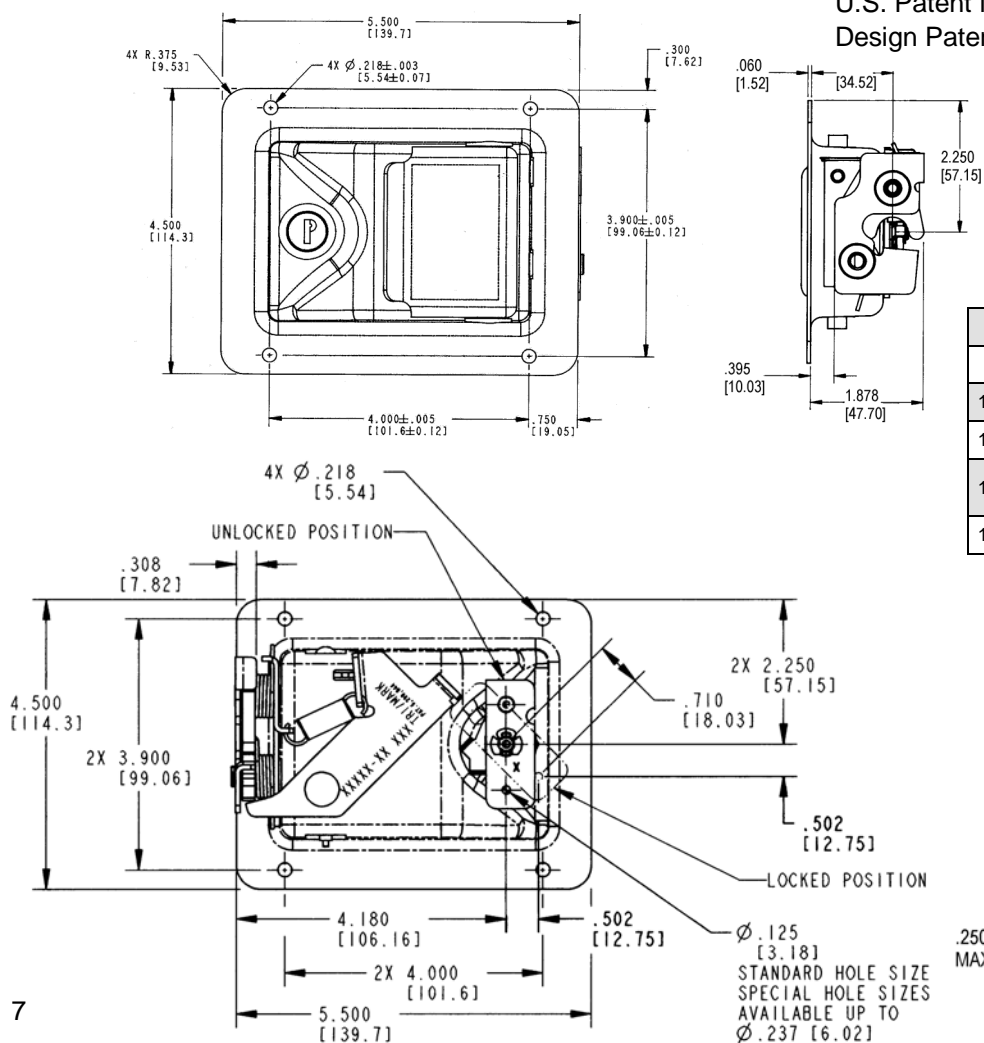
APPLICATION RECOMMENDATIONS:

- Striker bolt installation should allow for a minimum radial movement of .060 (1.524) for adjustment
- Rubber bumpers or door seals are recommended to reduce effects of vibration stress on door and latch system

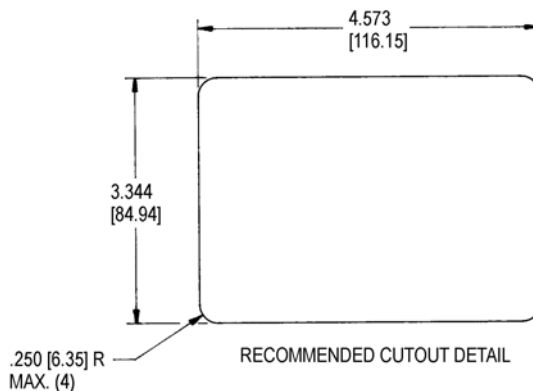
Caution: Compartment latch does not meet FMVSS 206 load requirements.

U.S. Patent No. 5,299,844

Design Patent No. D369,089



030-0175 Stamped Steel Compartment Latch			
Part #	Finish	Key Code	Cam
12912-07	Buffed Stainless Steel	CH502	Power lock
12937-01	Buffed Stainless Steel	Non-Locking	No Camlock
15647-04	Buffed Stainless Steel	Customer Install	No Camlock
16268-08	Buffed Stainless Steel	CH508	Camlock



030-0185 Stamped Steel 2-Point Paddle Handle

DESIGNED FOR:

- On or off-highway vehicle applications
- Most storage, compartment and access doors with single or 2-point latch actuation

AVAILABLE:

- In locking or non-locking configurations
- Keyed alike
- Keyed random. 50 key codes available
- Optional gasket for flange of housing is available to provide resistance to water and dirt infiltration
- Power lock actuation

FINISH:

- Buffed and polished stainless steel
- Zinc plate and clear chromate conversion coat over mild steel for maximum paint adhesion and resistance to rust

MATERIAL:

- Housing and paddle: 300 series stainless steel
- Mild steel also available on housing and paddle
- Stainless steel non-corrosive springs and rivets
- Other components: zinc plated, mild steel

INSTALLATION:

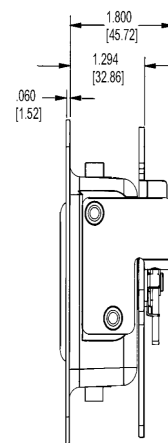
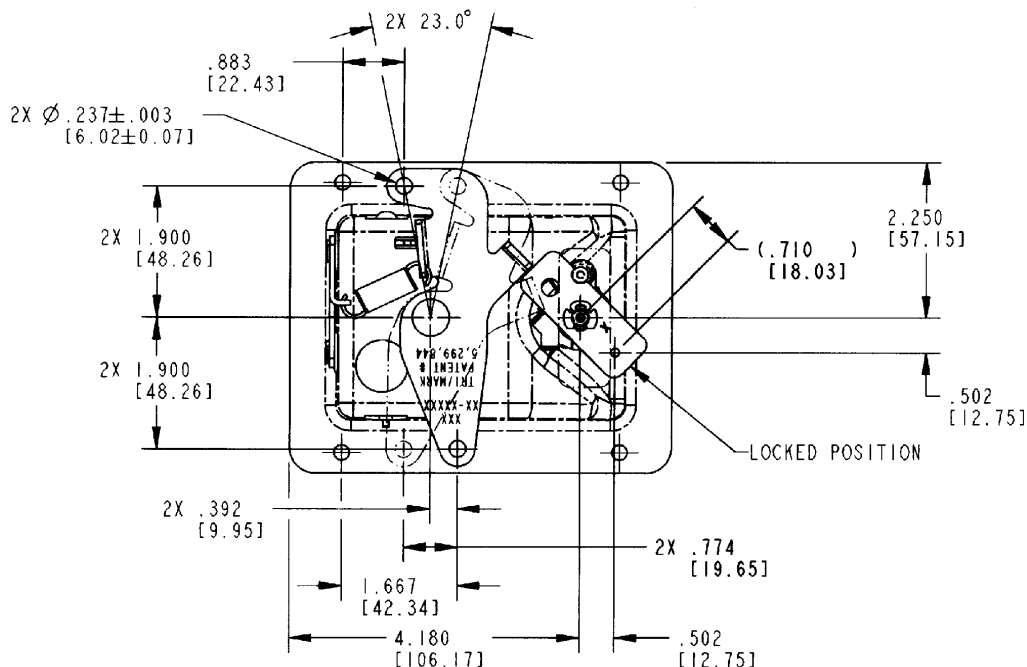
- 3/16" (4mm) diameter fasteners
- Front view and recommended door cut-out detail same as 030-0175 Stamped Steel Compartment Latch
- Blind mount option available

U.S. Patent No. 5,299,844

Design Patent No. D369,089



030-0185 Stamped Steel 2-Point Paddle Handle			
Part #	Finish	Key Code	Actuation
14296-01	Buffed Stainless Steel	CH502	2-Point
15644-03	Buffed Stainless Steel	Non-Locking	Single Point
16283-01	Buffed Stainless Steel	CH502	2-Point
16283-02	Buffed Stainless Steel	CH508	2-Point
16284-01	Buffed Stainless Steel	CH508	Single Point



030-0300 Entrance Door Hardware Set

This product was designed as a complete entrance door solution for RV motor homes. It features an exterior paddle; inside L handle release, safety deadbolt and an integrated 2 rotor latch for ease of installation and use.

FEATURES/BENEFITS:

- Inside lock provides override if outside paddle should be locked
- Inside L-handle provides door closure feature
- Manually operated safety dead bolt
- Two rotor - two stage rotary door latch with primary and secondary latching positions

AVAILABLE:

- Keyed random
- Right or left hand configurations (right hand shown)



INSTALLATION:

- (3) #10-24 UNC mounting screws (included)
- (4) 1/4-20 UNC mounting fasteners (included)

MATERIAL:

- Exterior housing and paddle, interior cover plate and L-handle: die cast zinc alloy
- Rotors: heat treated, smooth edge stamped steel

FINISH:

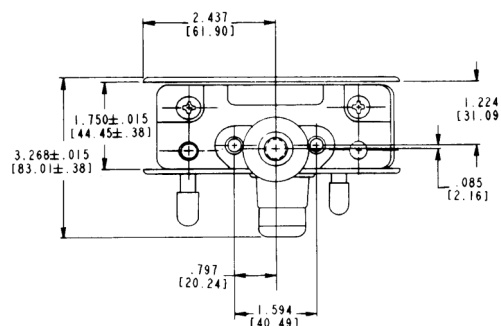
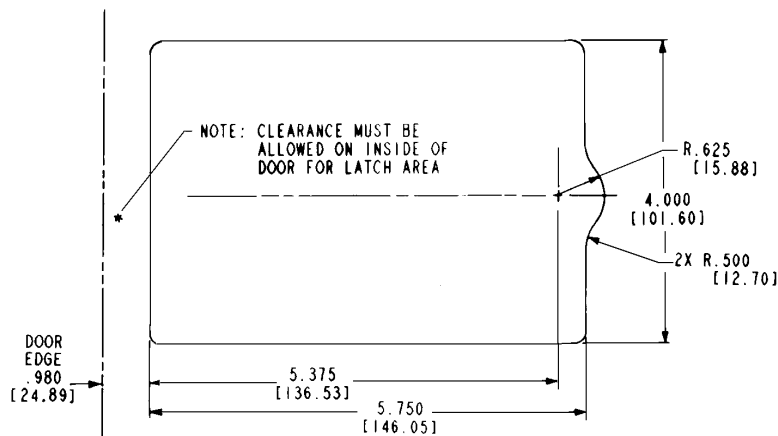
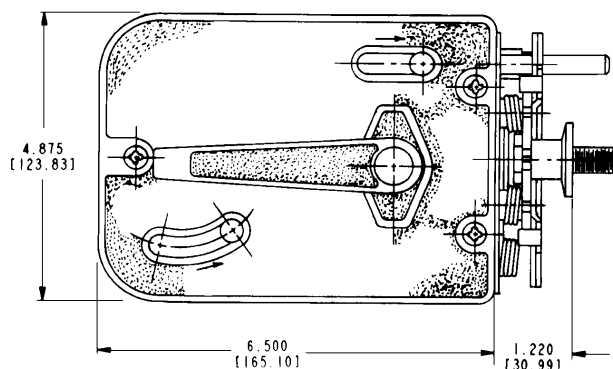
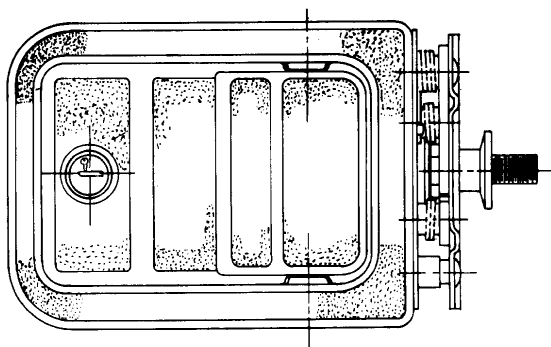
- Copper-nickel-chrome plated
- Black powder coated

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied at factory on all critical moving parts
- Additional lubrication to be applied in the field if required.

Meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval.

030-0300 Entrance Door Hardware Set				
Part #	Handing	Description	Finish	Keying
10362-15	Right	Rotary Latch	N/A	N/A
10363-15	Left	Rotary Latch	N/A	N/A
10611-05	Left	Exterior Paddle	Chrome	RH001-050
10899-05-E	Left	Kit	Chrome	RH001-050
10900-05-E	Right	Kit	Chrome	RH001-050
11021-05	Left	Inside Plate	Chrome	N/A
11022-05	Right	Inside Plate	Chrome	N/A
11883-01	Right	Inside Plate	Black Textured	N/A
11896-01	Right	Exterior Paddle	Black Textured	TM201-250
12039-12	Left	Exterior Paddle	Medium Gloss Black	TM211



030-0400 Paddle Handle

This flush mounted paddle was designed for entrance doors for the RV and specialty vehicles. It features remote pivot plate actuation and can be used in FMVSS 206 applications.

FEATURES/BENEFITS:

- Automotive styling
- Molded rubber gasket for flange of housing
- Flush mount surface

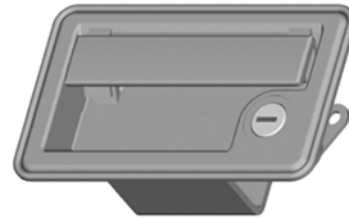
AVAILABLE:

- Non-locking or locking, keyed alike or differently with up to 50 different key codes
- KeyOne™
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking



INSTALLATION:

- Either handed version can be installed in a wide range of locations in door—horizontal or vertical orientation
- Single nut mounting with mounting bracket



FINISH:

- Black powder coated
- Combination black powder coated housing chrome paddle
- All chrome

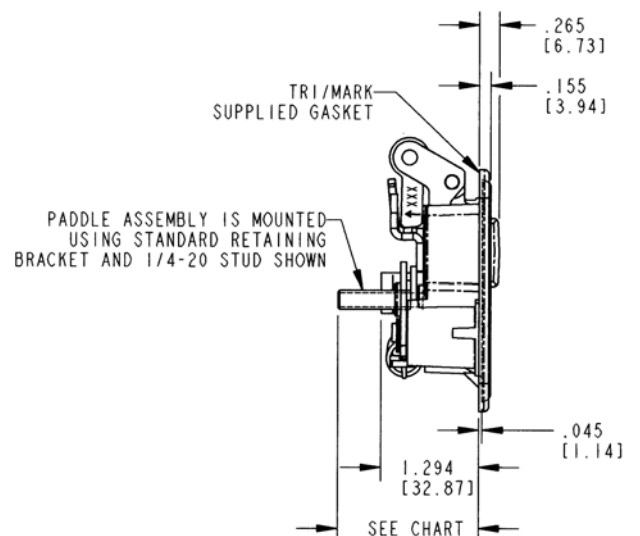
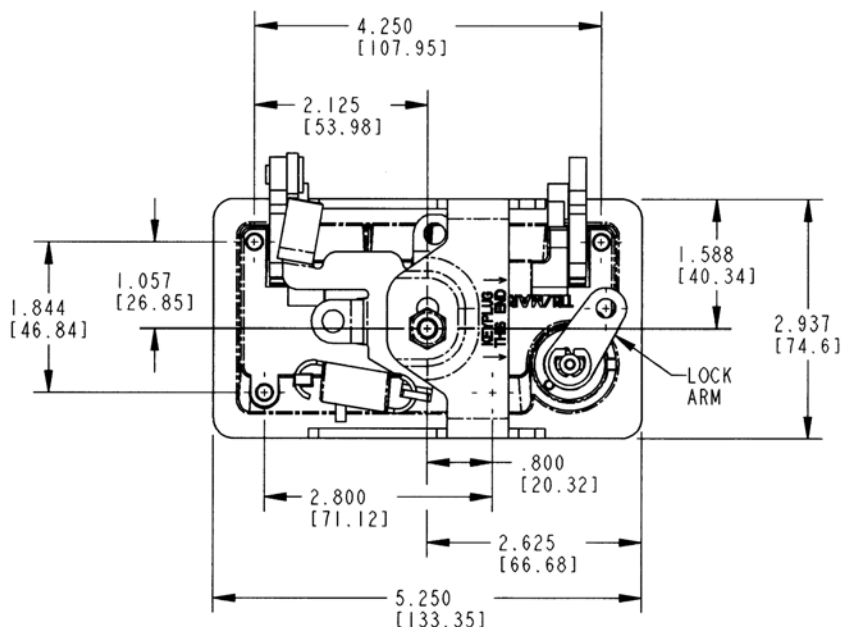
MATERIAL:

- Sturdy die cast zinc alloy paddle and housing
- Zinc plated clear chromate steel components

Meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval.

U.S. Patent No. 5,606,882

030-0400 Paddle Handle				
Part #	Handing	Finish	Key Code	Mounting Stud
11633-37	Right	Low Gloss Black	TM205-250	A
13438-04	Right	Low Gloss Black	TM205-250	A
13438-05	Right	Copper-Nickel-Chrome	TM211	B
14312-01	Right	Low Gloss Black	KeyOne™	A
14312-02	Right	Textured Black	KeyOne™	A
17189-01	Right	Low Gloss Black	KeyOne™ Plus	A
17191-01	Right	Low Gloss Black	KeyOne™ Plus	A



030-0425 Inside Bezel & Release Lever Assembly

DESIGNED FOR:

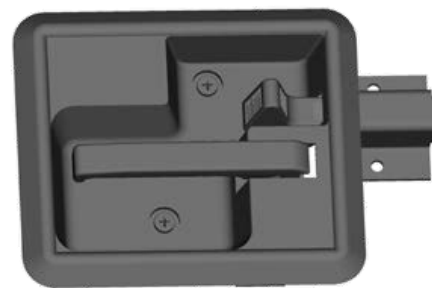
- Interior release and locking applications
- On or off-highway vehicle applications
- Light to medium duty recommended

FEATURES/BENEFITS:

- Built-in lock lever for added security
- Remote mounting provides versatility and mobility
- Bezel complies with FMVSS 302

AVAILABLE:

- Cutout for power door lock
- Non-locking bezel also available (vacuum formed)
- Right or left hand configurations



FINISH:

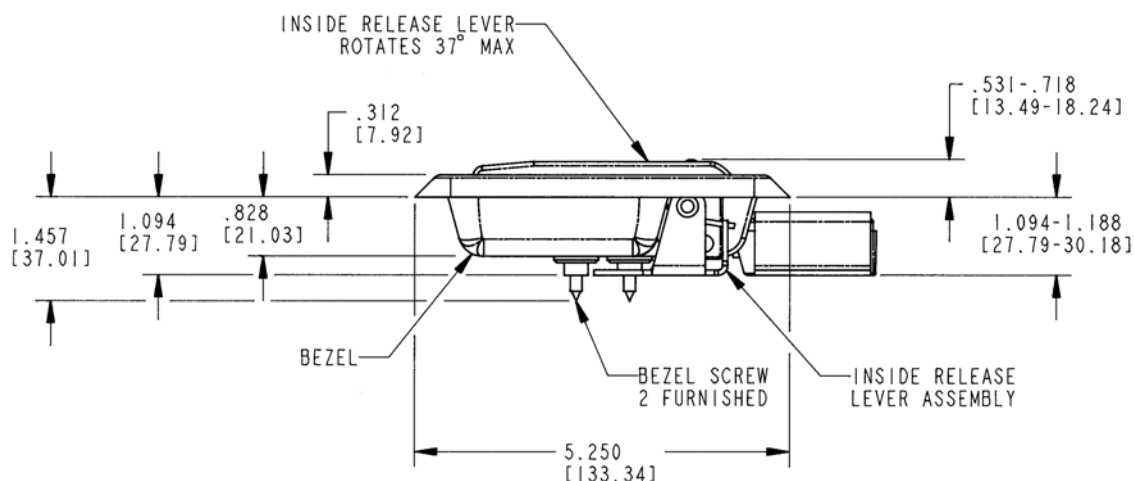
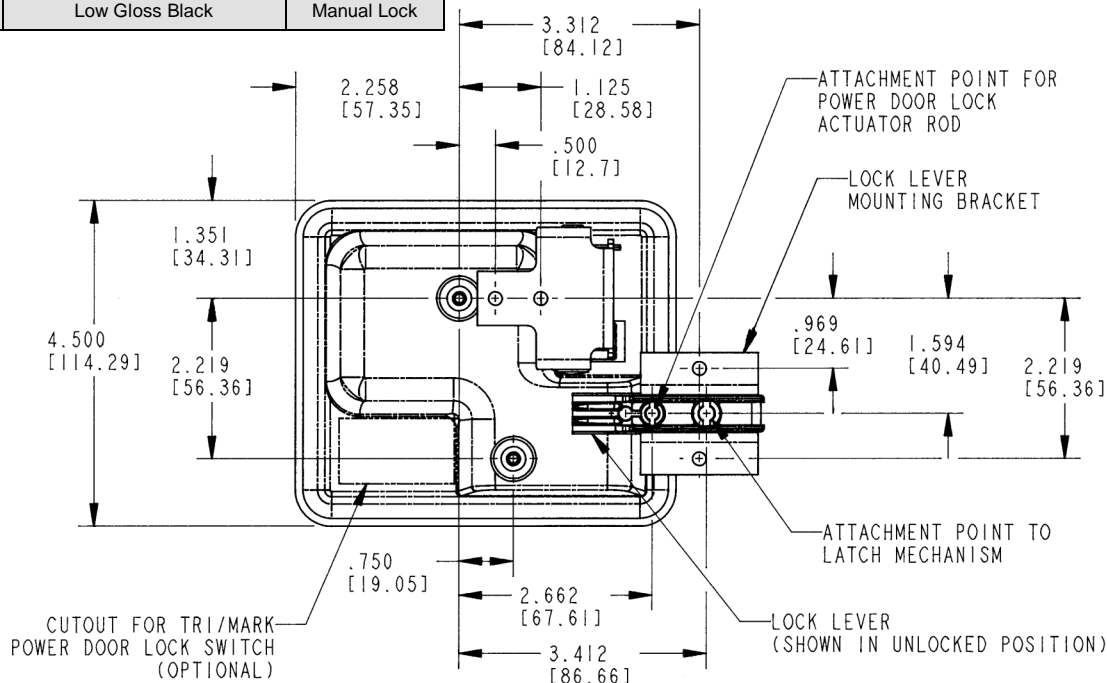
- Nylon injection molded bezel and lock lever with die cast zinc release lever

INSTALLATION:

- Fasteners supplied for mounting inside bezel

Meets FMVSS 206 locking requirements and may be used in FMVSS 206 application pending TriMark application approval.

030-0425 Inside Bezel & Release Lever Assembly			
Part #	Handing	Finish (Release/Lock Lever)	Lock Option
11297-01	Left	Textured Black	Manual Lock
11297-35	Left	Copper-Nickel-Chrome	Manual Lock
11297-37	Left	Low Gloss Black	Manual Lock
11298-35	Right	Copper-Nickel-Chrome	Manual Lock
11298-37	Right	Low Gloss Black	Manual Lock



030-0450 Two-Point Paddle Handle

DESIGNED FOR:

- Compartment doors and entrance doors that require a 2-point latching mechanism

FEATURES/BENEFITS:

- Molded gasket for flange of housing provides resistance to water infiltration
- Formed tab on pivot plate allows for connection to an inside release (possibly 030-0425 Inside Bezel and Release Lever Assembly)
- Paddle is rigid when locked
- Automotive styling
- Inside lock option allows for use of inside lock (possibly 030-0425 Inside Bezel and Release Lever Assembly) and/or power lock actuation

AVAILABLE:

- Non-locking or locking, keyed alike or differently, with up to 50 different key codes
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking



FINISH:

- Black powder coated
- Chrome plated or combination black powder coated housing and chrome plated

MATERIAL:

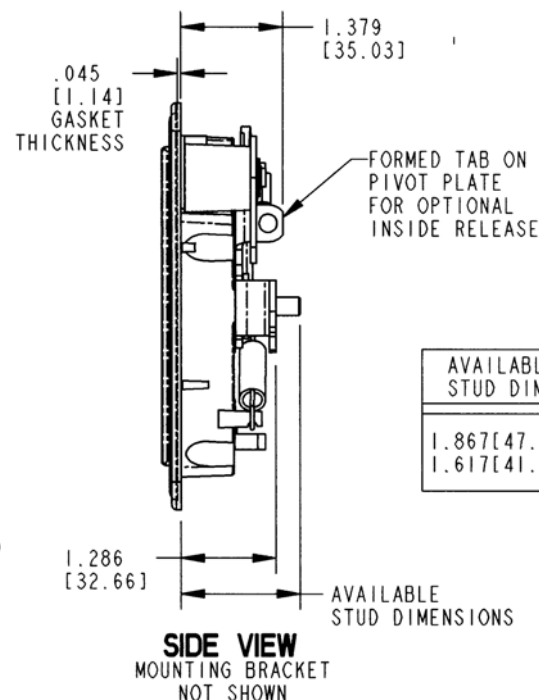
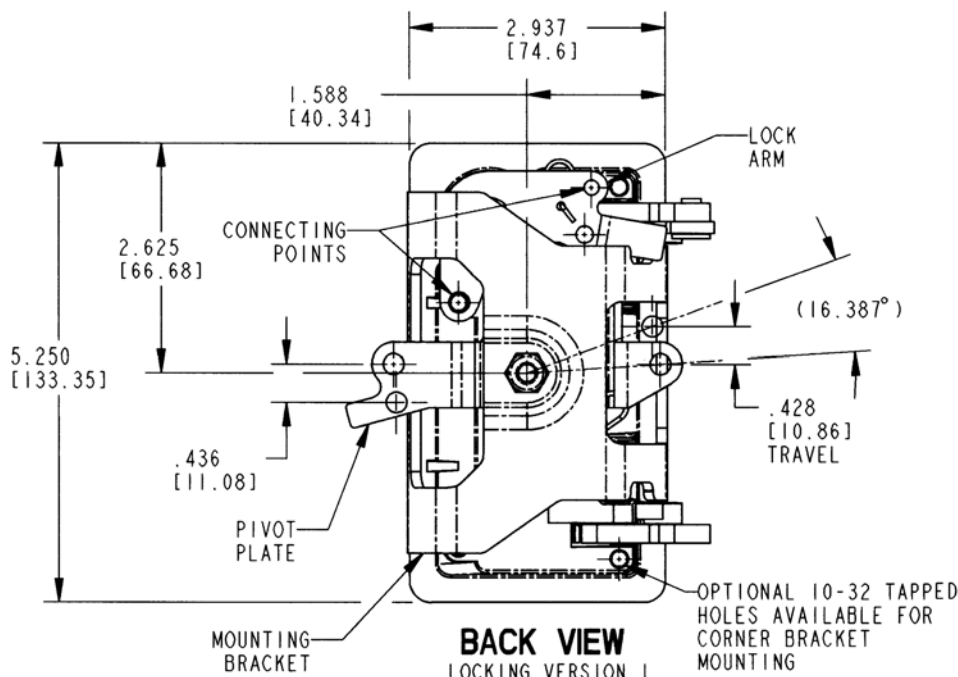
- Sturdy zinc die cast alloy paddle and housing

INSTALLATION:

- Either handed version can be installed in a wide range of location in door - either horizontal or vertical orientation
- Non-handed standard mounting bracket

Meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval.

030-0450 2-Point Paddle Handle				
Part #	Handing	Finish	Key Code	Mounting Stud
11812-01	Right	Low Gloss Black	RH028	B
11812-37	Right	Low Gloss Black	TM211	B
11813-01	Left	Low Gloss Black	RH028	B
11813-37	Left	Low Gloss Black	TM211	B
12429-37	Left	Low Gloss Black	TM211	B
12430-04	Right	Copper-Nickel-Nickel-Chrome	TM211	B
12455-37	Right	Low Gloss Black	Non-Locking	B
13525-01	Right	Low Gloss Black	KeyOne	B



030-0900 Motor Home Entrance Door Hardware With Dead Bolt

Designed for motor home entrance doors, this product provides easy installation with through sandwich mounting. It features a large exterior paddle and an ergonomic "L" inside release and is adaptable for power locking.

- Motor home entrance doors with thickness of 1-1/2" (38.1mm) or 1-15/16" (49.2mm)
- Door seal pressures of 25 lbs (11 kg) or less for ease of function and maximum life (not to exceed 50 lbs [23 kg])
- Right hand applications
- Door weights up to 75 lbs (34 kg)

FEATURES/BENEFITS:

- Automotive style latch mechanism
- Smooth opening/closing action
- Positive latching
- Paddle can be locked before door is shut
- Paddle is rigid when locked
- Automotive styling
- Comfortable finger access
- Inside handle for easy closing
- Adaptable for power door lock actuator
- Built-in dead bolt eliminates the need for an add-on residential type dead bolt
- Dead bolt locks into the fully extended position for true dead bolt functioning



AVAILABLE:

- Master keyed passage lock key cylinder
- Non-master keyed dead bolt
- Gasket (not included)
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking



FINISH:

- Black powder coated
- Chrome plated
- Interior release: black powder coat, or white

MATERIAL:

- Housing, inside plates, paddles, and certain lock actuating components: die cast zinc alloy
- Internal latch components: heat treated, smooth edge stamped steel
- Springs: non-corrosive stainless steel
- Case halves: high strength steel

INSTALLATION:

- #8-32 UNC mounting screws (not included). Recommended torque 13 in/lbs (1.4 N-m)
- Sandwich mount installation does not require any linkage rods

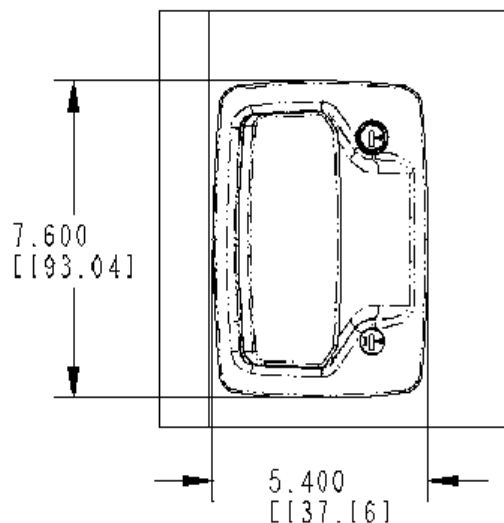
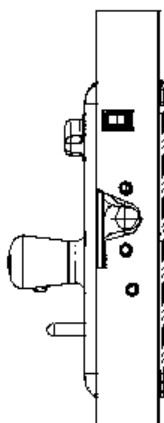
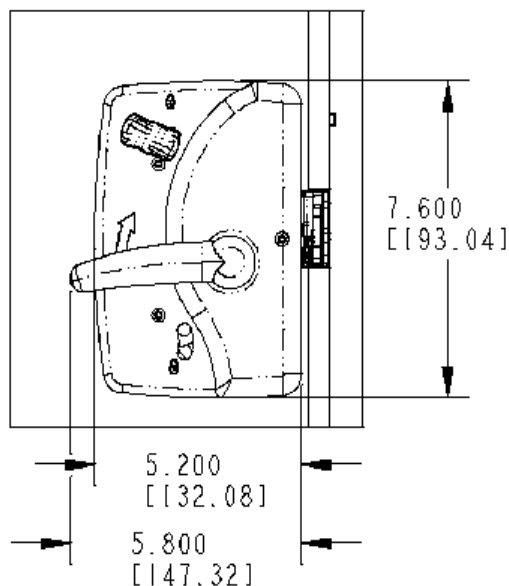
Meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending approval.

U.S. Patent No. 4,736,972 & 5,127,686

Canadian Patent No. 2045831

Design Patents: D339,049, D339,050, D529,367

030-0900 Motor Home Entrance Door Hardware With Dead Bolt				
Part #	Description	Finish	Main Lock Key Code	Dead Bolt Key Code
17217-02	Exterior Paddle	Low Gloss Black	TM205-250	Tri001-098
21397-01	Inside Handle	Colonial White	N/A	N/A
13530-01	Exterior Paddle	Low Gloss Black	KeyOne	Tri001-098
17217-01	Exterior Paddle	Low Gloss Black	KeyOne Plus	2141-2240



030-1000 / 030-1050 Motor Home Entrance Door Hardware

Designed for motor home entrance doors, this product provides easy installation with a through sandwich mounting. It features a reliable direct release rotary latch and is compliant to FMVSS 206. The 030-1050 includes a built-in dead bolt for additional security.

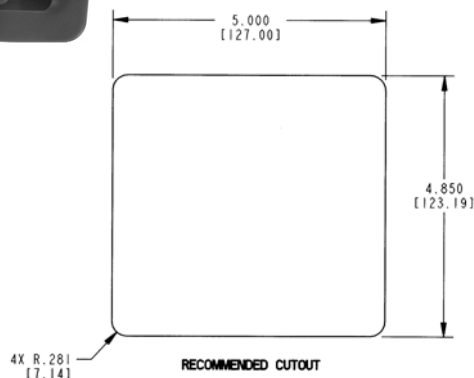
- Motor home entrance doors with thickness of 1.390" (35.3mm) to 1.600" (40.6mm). (Different inside plates are required to facilitate range of door thicknesses. Please identify when inquiring.)
- Fifth-wheel trailers, pull-type trailers and slide-in campers
- Applications requiring resistance to water and dirt infiltration
- Door seal pressures of 25 lbs. (11 kg) or less for ease of function and maximum life
- Right hand door applications

FEATURES/BENEFITS:

- Paddle can be locked before door is shut
- Paddle is rigid when locked
- Automotive styling
- Comfortable finger access
- Inside assist for easy closing
- Serviceable shuttered key cylinder
- Built-in dead bolt eliminates the need for an add-on residential type dead bolt
- Dead bolt locks into the fully extended position for true dead bolt functioning (030-1050)



030-1050 With Dead Bolt Option



AVAILABLE:

- With optional built-in dead bolt (030-1050)
- Master keyed paddle keycylinder. Non-master keyed dead bolt

MATERIAL:

- Housing, inside plates, paddles, and certain lock actuating components: die cast zinc alloy

FINISH:

- Black powder coated
- Copper-nickel-chrome
- White powder coated



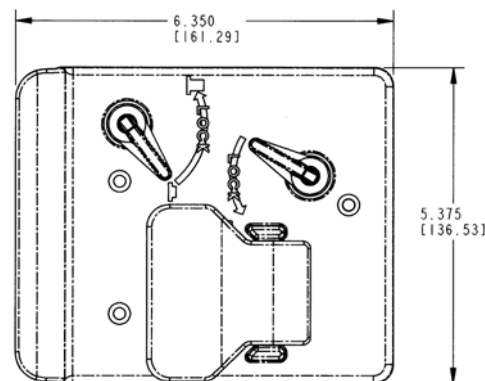
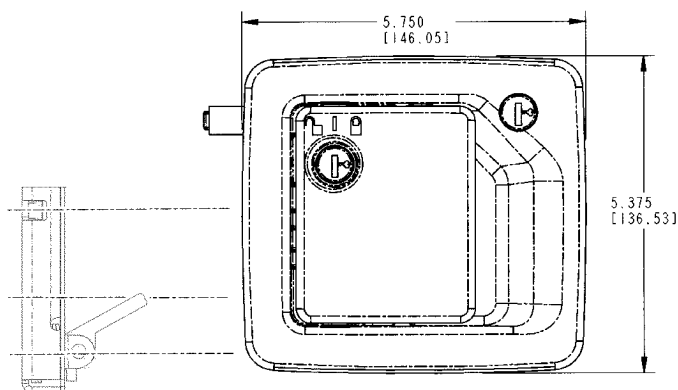
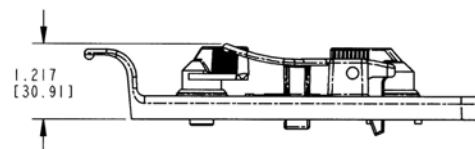
INSTALLATION

- #10-24 thread forming mounting fasteners (not included). Recommended torque 40-50 in-lbs
- Supplied with gasket already applied under recess in housing flange for simple, clean installation
- Sandwich mount installation does not require any linkage rods

U.S. Patent No. 4,736,972

Meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval.

030-1000 Motor Home Entrance Door Hardware				
Part #		Key Code	Finish	Door Thickness
12149-37	Inside Release	N/A	Low Gloss Black	1.440-1.520
12486-37	Inside Release	N/A	Low Gloss Black	1.520-1.590
13220-02	Exterior Paddle	TM205-250 MKF	Low Gloss Black	All
030-1050 With Dead Bolt				
12147-37	Inside Release	N/A	Low Gloss Black	1.440-1.520
12487-37	Inside Release	N/A	Low Gloss Black	1.520-1.590
13219-02	Exterior Paddle	TM205-250 MKF	Low Gloss Black	All
13219-03	Exterior Paddle	TM205-250 MKF	Volkswagon White	All



030-1100 Two-Point Paddle Handle

This compartment latch was designed for light to medium duty storage and compartment doors. This non-handed product features a 2-point bellcrank for remote actuation.

- Cross bed tool boxes
- Truck topper and lift gate doors

FEATURES/BENEFITS:

- Water resistant
- Sleek automotive styling
- Paddle is rigid when locked
- Single point or two-point actuation
- Flush mount -- contoured surface
- Corrosion resistant
- Non-handed design

AVAILABLE:

- Non-locking or locking with shuttered keyway
- 2-point actuation
- Keyed alike
- Keyed random. 50 key codes -- TM901 -TM950
- KeyOne™
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- With rod collars



MATERIAL:

- Housing and paddle: die cast zinc alloy
- All steel parts (axles, pivot arm, pivot plate, lock cam): zinc plate clear chromate for corrosion resistance

INSTALLATION:

- Supplied with gasket already applied under recess in housing flange for simple, clean installation
- Single point #10-24 UNC mounting fastener
- Optional mounting brackets (please inquire)

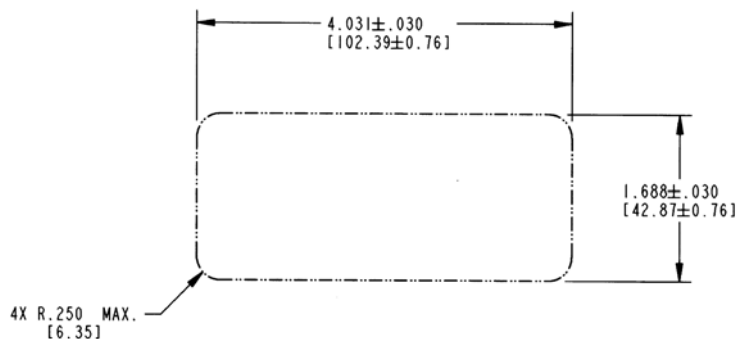
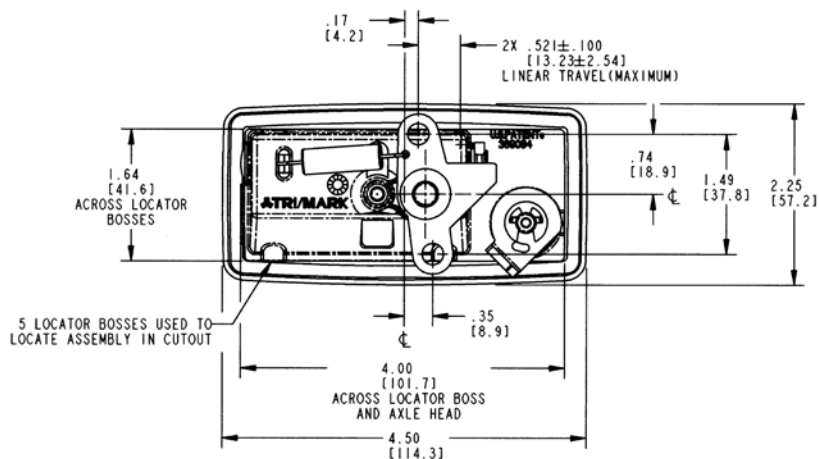
Rod collars are not intended or recommended for use in applications that require FMVSS 206 compliance or applications that have heavy or extreme Striker Bolt Loads (> 25 lbs./ 11 kg.) and/or high to extreme usage (> 100,000 door cycles/life).

U.S. Patent No. 369,084

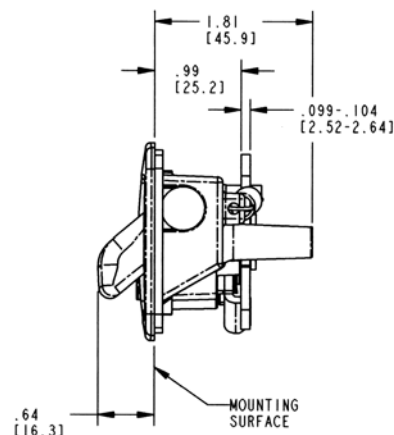


FINISH:

- Black powder coated



RECOMMENDED CUTOUT DETAIL



030-1100 2-Point Paddle Handle			
Part #	Finish	Key Code	Rod Collar
12395-02	Low Gloss Black	TM904	No
12395-37	Low Gloss Black	TM901-950	No
13559-01	Low Gloss Black	Non-Locking	No
14061-01	Low Gloss Black	TM904	2 Collars
14061-02	Low Gloss Black	TM901-950	2 Collars
14317-02	Low Gloss Black	Non-Locking	2 Collars

030-1125 Paddle Handle With Hook

This compartment latch was designed for light to medium duty storage and compartment doors. This non-handed product features a pivoting hook latching design.

- Cross bed tool boxes
- Truck topper and lift gate doors
- Most storage, compartment, and access doors with single or 2-point latch system

FEATURES/BENEFITS:

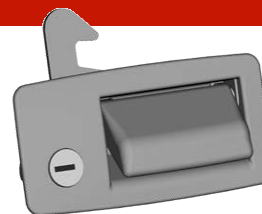
- Water resistant
- Sleek automotive styling
- Paddle is rigid when locked
- Shuttered key cylinder
- Keying security
- Flush mount -- contoured surface
- Corrosion resistant
- Slam action -- hook operates independent of paddle

AVAILABLE:

- Non-locking or locking with shuttered keyway
- Keyed alike or keyed random. 50 key codes -TM901-TM950
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Slam action version
- With rod collars

FINISH:

- Black powder coated



MATERIAL:

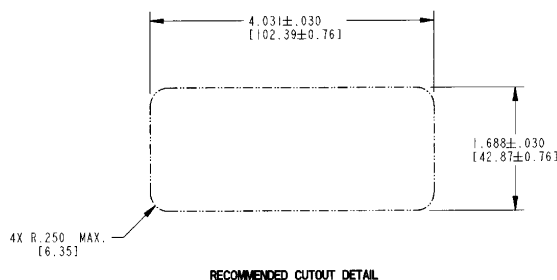
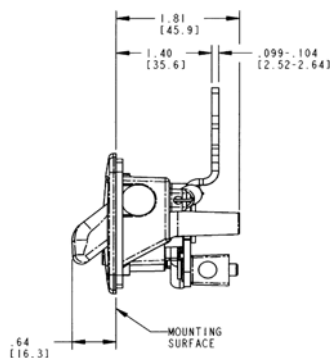
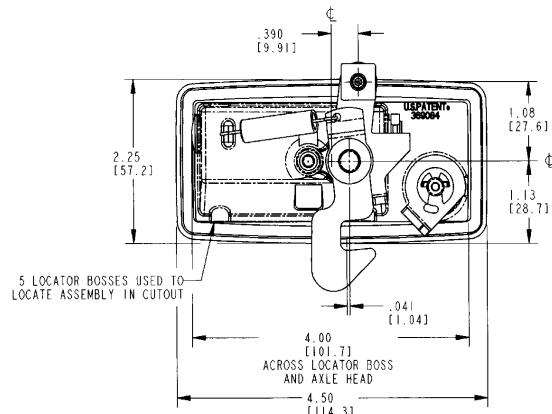
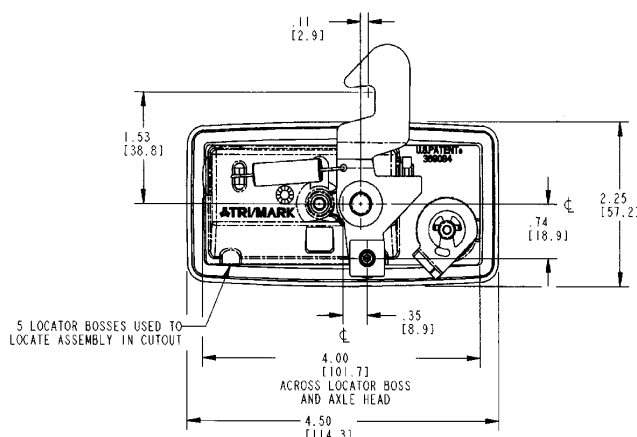
- Housing and paddle: die cast zinc alloy
- All steel parts (axles, pivot arm, pivot plate, lock cam): cold rolled steel with zinc plate clear chromate for corrosion resistance

INSTALLATION:

- Supplied with gasket already applied under recess in housing flange for simple, clean installation
- Blind mounting with one #10-24 UNC mounting fastener
- Optional mounting brackets (please inquire)
- Optional hook designs (13980-01 please inquire)

*Meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval.

030-1125 Paddle Handle With Hook				
Part #	Finish	Key Code	Rod Collar	Version
12710-01	Low Gloss Black	TM901-950	Yes (2)	A
12710-02	Low Gloss Black	TM904	Yes (2)	A
12710-03	Low Gloss Black	TM901-950	No	A
13968-01	Low Gloss Black	Non-Locking	Yes (2)	B
13969-01	Low Gloss Black	Non-Locking	Yes (2)	B
13979-01	Low Gloss Black	Non-Locking	Yes (1)	A
13979-02	Low Gloss Black	Non-Locking	No	A



030-1400 Paddle Handle

This flush mounted paddle is a redesign of our 030-0400 paddle handle for entrance doors on RV and specialty vehicles. Containing the same proven mechanical details as previous with a modernized look, it can be used in FMVSS 206 applications and features a remote pivot plate and lock cam actuation.

AVAILABLE:

- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Several pivot plate options are available to suit a wide variety of applications



MATERIAL:

- Sturdy zinc die cast alloy housing and paddle
- Steel components: zinc plated, mild steel

FINISH:

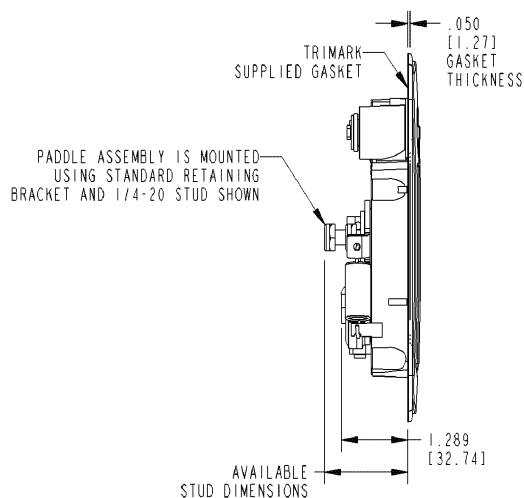
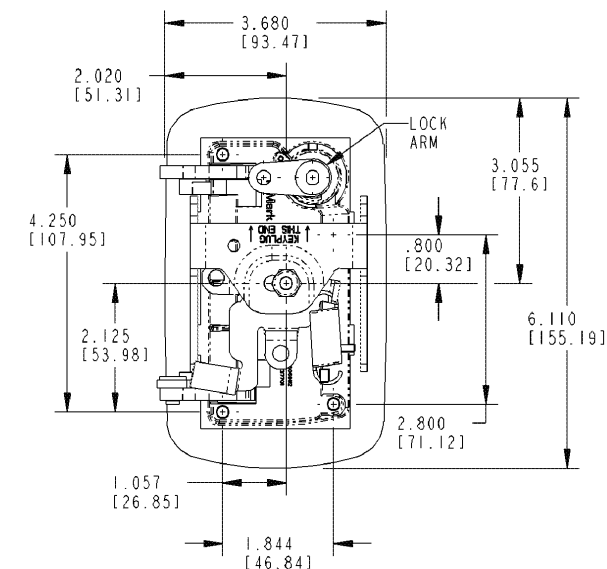
- Standard black powder coated, buffed copper-nickel-nickel-chrome plated or combination black powder coated housing and buffed chrome paddle

INSTALLATION:

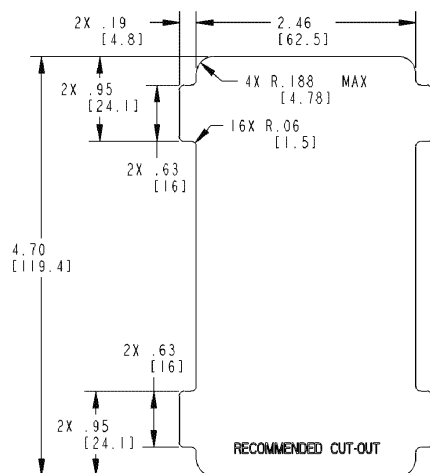
- Handle is easy to install with supplied single 1/4-20 UNC nut and mounting bracket (Mounting torque not to exceed 30 in-lbs [3.39N-m])
- Either handed version can be installed in a wide range of locations in both horizontal or vertical orientations (left hand shown)
- Retrofits with most 030-0400 flush paddle handles

Meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval.

030-1400 Paddle Handle				
Part #	Handing	Finish	Key Code	Mounting Stud
22668-02	Right	Low Gloss Black	Non-locking	Short Stud with Bracket



AVAILABLE STUD DIM.
1.862 [47.29]
1.612 [40.94]



SCALE 1.000



030-1425 Paddle Handle

This redesigned product functions as a remote inside release and features a built-in lock lever and improved zinc die cast bezel for durability and ease of installation. It is also available in non-locking and power locking versions.

- Remote interior release and locking applications for on or off-highway
- Light to medium duty recommended
- Use with TriMark latch/logic mechanisms

FEATURES/BENEFITS:

- Offers modern automotive styling
- Built-in lock lever for added security
- Remote mounting provides versatility and flexibility

AVAILABLE:

- Right or left hand configurations (right hand shown)
- Cutout for power door lock
- Non-locking bezel also available
- As a complete assembly or separate components for application flexibility

030-1425 Inside Bezel and Release Lever Assembly			
Part #	Handing	Finish	Key Code
21430-02	Left	Low Gloss Black	Manual Lock



MATERIAL:

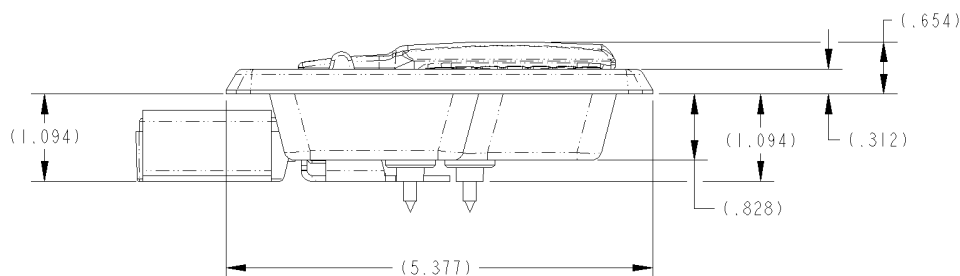
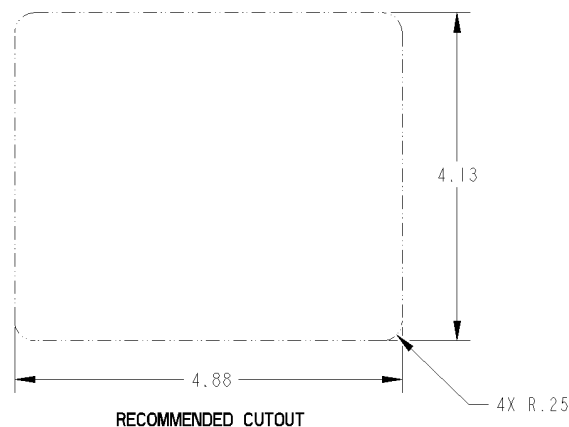
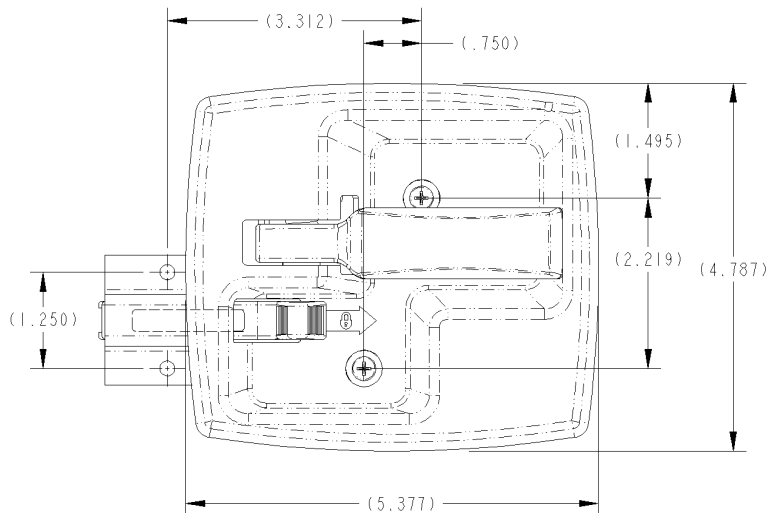
- Bezel and release lever die cast zinc alloy
- Lock lever -- engineered plastic
- Stamped steel mounting brackets

INSTALLATION:

- Fasteners supplied for mounting inside bezel

Meets FMVSS 206 load requirements and may be used in FMVSS 206 application pending TriMark application approval.

Patents Pending



030-1450 2-Point Paddle Handle

This flush mounted paddle is a redesign of our 030-0450 paddle handle for compartment doors and entrance doors on RV and specialty vehicles. Containing the same proven mechanical details as previous with a modernized look, it can be used in FMVSS 206 applications, is power lockable and features 2-point remote pivot plate and lock cam actuation.

FEATURES/BENEFITS:

- Offers updated styling
- Paddle is rigid when locked
- Inside lock detail provides for multiple connection points for use of inside lock and/or powerlock actuation
- Molded rubber gasket for flange of housing provides resistance to water and dust infiltration

AVAILABLE:

- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Several 2-point pivot plate options are available to suit a wide variety of applications



INSTALLATION:

- Handle is easy to install with single ¼-20 UNC nut and supplied mounting bracket (Mounting torque not to exceed 30 in-lbs [3.39N-m])
- Either handed version can be installed in a wide range of locations in either horizontal or vertical orientations (left hand shown)
- Retrofits with most 030-0450 flush paddle handles

FINISH:

- Standard black powder coated, buffed copper-nickel-nickel-chrome plated or combination black powder coated housing and buffed chrome paddle

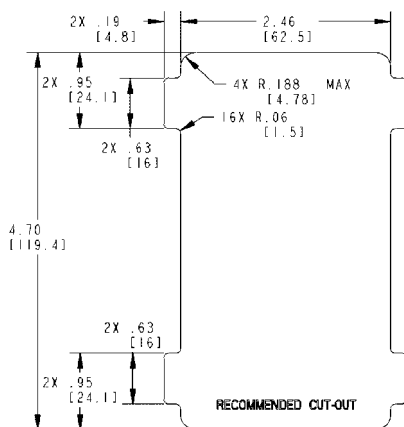
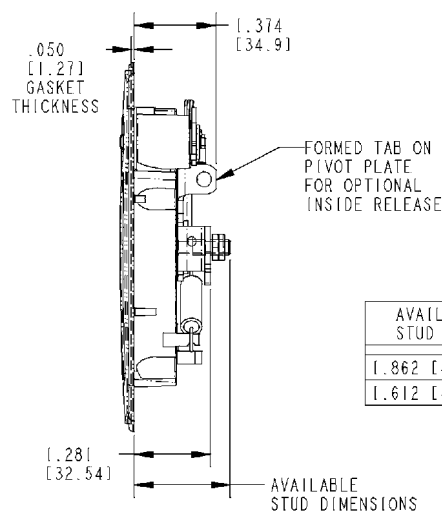
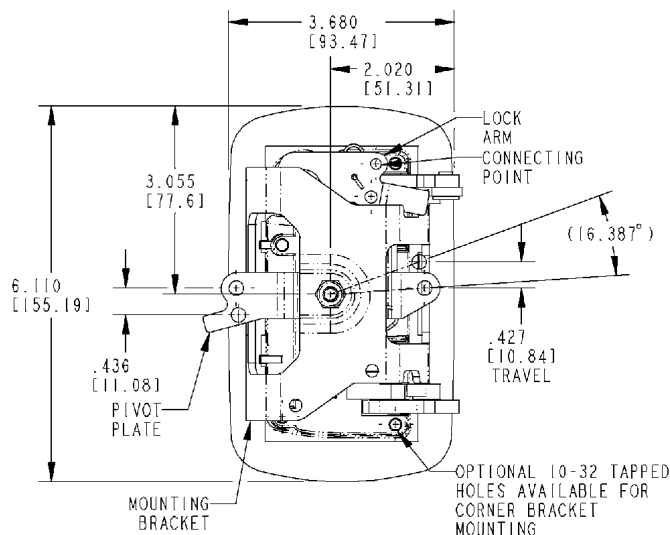
MATERIAL:

- Sturdy zinc die cast alloy housing and paddle
- Steel components: zinc plated, mild steel

Meets FMVSS 206 locking requirements and may be used in FMVSS 206 applications pending TriMark application approval.

U.S. Patent No. 5,606,882
Design Patent No. D537,701

030-1450 2-Point Paddle Handle				
Part #	Handing	Finish	Key Code	Mounting Stud
20599-04	Right	Low Gloss Black	2001	Short Stud with Bracket
22676-08	Right	Low Gloss and Copper-Nickel Nickel Chrome Handle	2001	Short Stud with Bracket



030-2000 Two-Point Free Float Baggage Lock

Designed for recreational vehicle baggage doors, this product is available in black or copper-nickel-chrome plated finish and features a two-point bellcrank for remote actuation and is power lockable.

- Two-point assembly ideally suited to fit 1.25" (31.8mm) and thicker foam core doors with linkage release efforts up to 7 lbs (3.2 kg) per linkage rod

FEATURES/BENEFITS:

- Foam gasket on flange of housing provides resistance to water infiltration
- Paddle free-floats when locked
- Modern automotive styling
- Adaptable to powerlock actuation
- Paddle can be locked before door is shut
- Large handle provides comfortable finger access and greater ease of operation (ergonomics)

AVAILABLE:

- Handle can be keyed to match other TriMark RV door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Linkage rods available for your specific applications
- In right or left hand configurations (right hand shown)



MATERIAL:

- Sturdy zinc die cast alloy paddle and housing
- All steel parts (axles, pivot arm, pivot plate, lock cam): cold rolled steel with zinc plate clear chromated for corrosion resistance

FINISH:

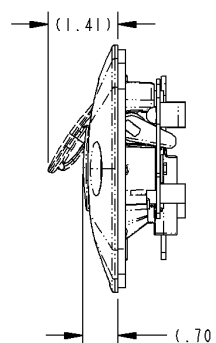
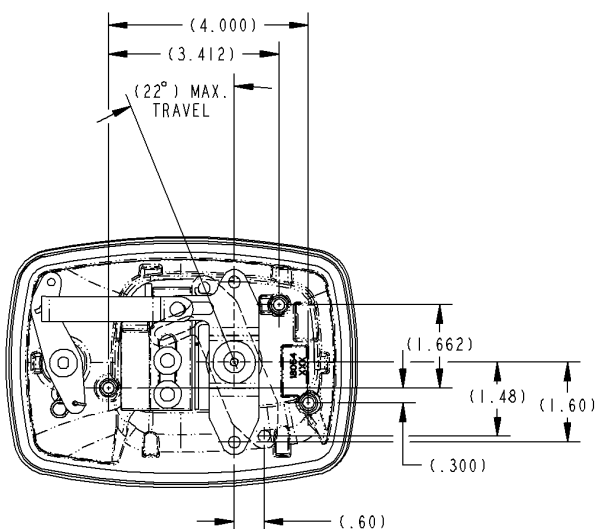
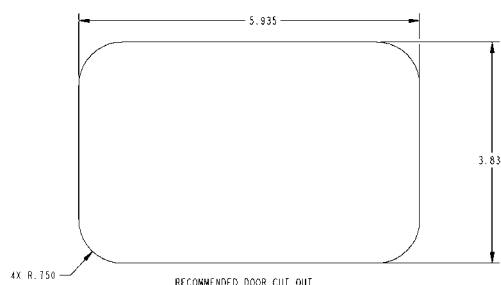
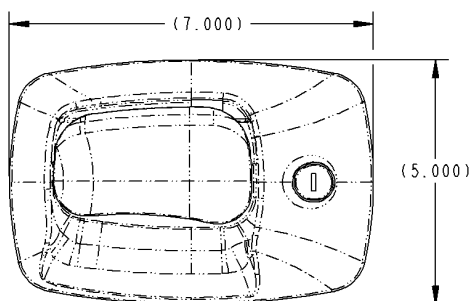
- Supplied black powder coated, this product can easily be painted over to match body colors
- Also available copper-nickel chrome plated

INSTALLATION:

- Easy drop-in installation
- Supplied with gasket already applied under recess in housing flange for simple, clean installation
- Mounts with (3) 1/4-20 UNC thread forming screws (not supplies)
- Optional mounting bracket and rod designed for easy installation of power actuation
- Either handed version can be installed in a wide range of locations in door — horizontal or vertical orientation

U.S. Patent No. 6,708,537
Design Patent No. D496,576

030-2000 2-Point Free Float Baggage Lock				
Part #	Handing	Finish	Key Code	Actuation
18054-01	Non-Handed	Low Gloss Black	KeyOne Plus	2-Point
18088-01	Non-Handed	Low Gloss Black	Non-Locking	2-Point



040-0500 120mm Push Button Handle

This handle was specifically designed for off-highway vehicle application that require a surface mounted exterior push button handle with 120mm mounting pattern. It offers robust construction, ergonomic function and styling for a very cost effective price.

FEATURES/BENEFITS:

- Frictionless pushbutton seal
- Flow through self-cleaning design
- Readily adaptable to a variety of door thicknesses with an adjustable bolt and nut (option -CC)
- Full gloved hand clearance
- .625 (15.88mm) button travel
- Exterior push button surface mount
- Button locks rigid when locked
- Snap-in retainer side plates allow for alternate color and/or customer branding
- Retrofittable with most European push buttons
- Easy to operate (ergonomics)

AVAILABLE:

- Can be keyed alike with most single and reversible key systems
- With adjustable bolt
- In locking or non-locking configurations

MATERIAL:

- Handle: glass reinforced nylon
- Brass threaded inserts

INSTALLATION:

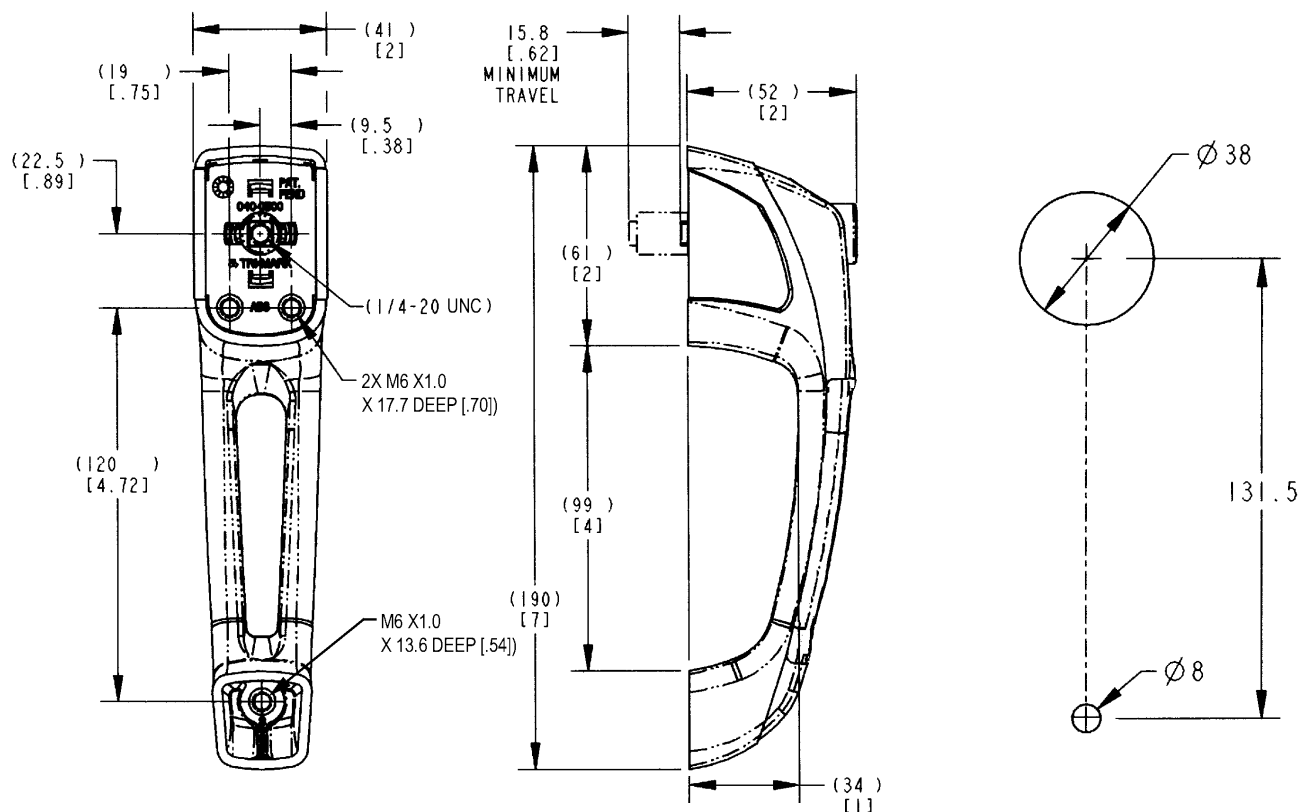
- Installed with (3) M6x1 bolts (not included)
- Mounts against glass with only 2 holes
- Recommended mounting fastener torque to be 5.6-6.7 N-m (50-59 lbf-in)

U.S. Patent No. 6,240,751

Design Patent No. D435,779



040-0500 120mm Push Button Handle			
Part #	Handing	Finish	Key Code
18912-03	Non-handed	Gray	CH751



040-0550 163mm Push Button Handle

DESIGNED FOR:

- On or off-highway vehicle applications
- Push button handles requiring 163mm mounting

FEATURES/BENEFITS:

- Frictionless push button seal
- Flow through self-cleaning design
- Readily adaptable to a variety of door thicknesses with an adjustable bolt and nut (option -CC)
- Full gloved hand clearance
- .625 (15.88mm) button travel
- Exterior push button surface mount
- Button locks rigid when locked
- Snap-in retainer side plates allow for alternate color and/or customer branding
- Easy to operate (ergonomics)

AVAILABLE:

- Can be keyed alike with most single and reversible key systems
- With adjustable bolt
- In locking or non-locking configurations

INSTALLATION:

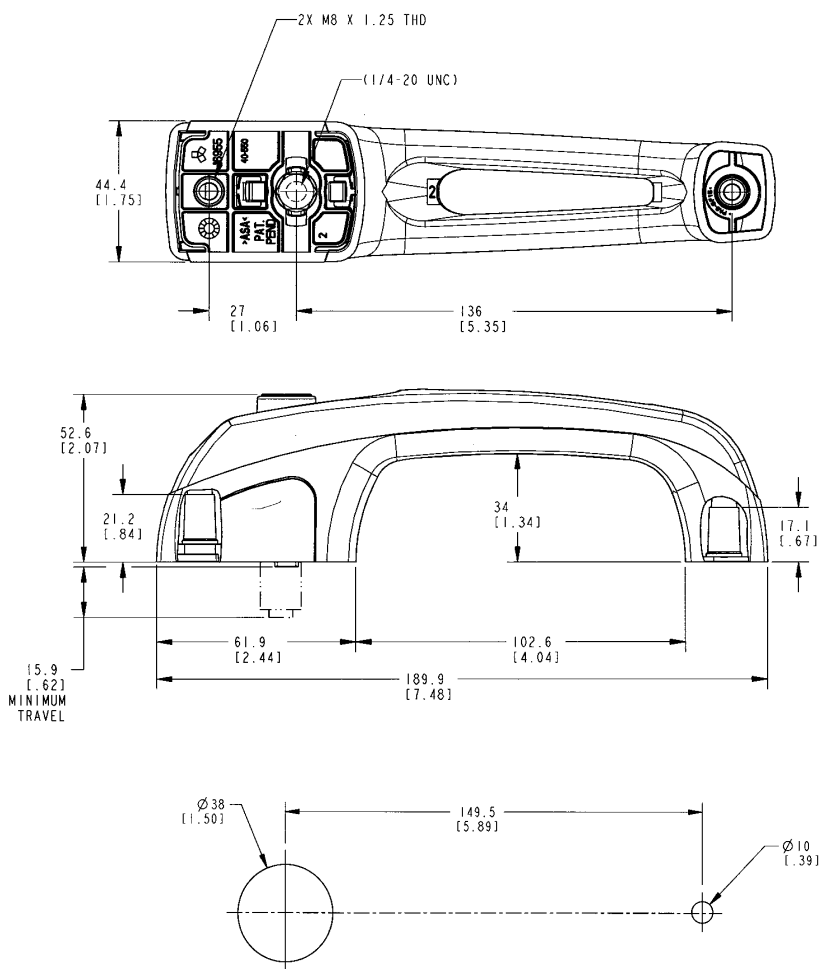
- Installed with (2) M8 x1.25 bolts (not included)
- Mounts against glass with only 2 holes
- Recommended mounting fastener torque to be 6.7-7.9 N-m (59-70 lbf-in)

MATERIAL:

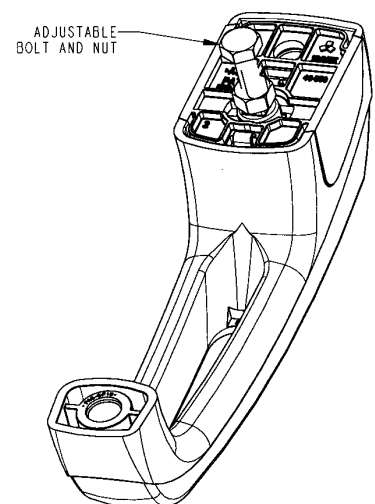
- Handle: glass reinforced nylon
- Brass threaded inserts

U.S. Patent No. 6,240,751

Design Patent Nos. D435,779 & D461,391



040-0550 163mm Push Button Handle			
Part #	Handing	Finish	Key Code
18914-02	Non-handed	Gray	TA183
18914-03	Non-handed	Gray	CH751
18915-01	Non-handed	Gray	TA001-010
18915-02	Non-handed	Gray	TA183
18916-01	Non-handed	Gray	Non-locking



040-0600 TriMount Push Button Handle

The 040-0600 TriMount Push Button Handle was specifically designed for off-highway vehicle applications that require a surface mounted exterior push button handle with 120mm or 163mm mounting pattern. It is retrofittable with most European push button handles and offers robust construction, ergonomic function and styling for a very cost effective price.

FEATURES/BENEFITS:

- Retrofittable with most European push button handles
- Universal mounting is available in 3 different mounting configurations: 2 bolt 120mm, 3 bolt 120mm and 2 bolt 163mm mounting
- Frictionless push button seal
- Readily adaptable to a variety of door thickness with an adjustable bolt and nut
- Full gloved hand clearance
- 15.88mm (.625) button travel
- Easy to operate (ergonomics)

MATERIAL:

- Handle: glass reinforced nylon
- Brass threaded inserts



AVAILABLE:

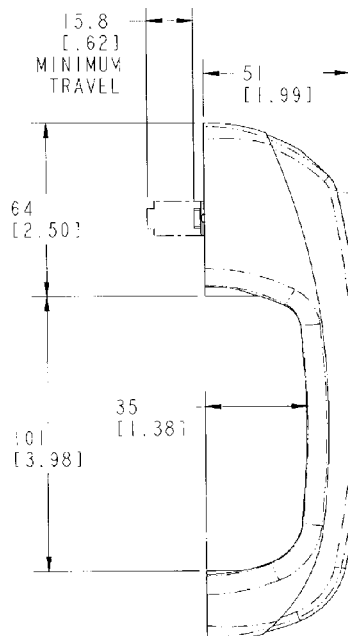
- Can be keyed alike with most single and reversible key systems or non-locking configurations
- Locked rigid or free-floating versions
- With bezels or gasket sets to facilitate mounting and provide resistance to water and dirt infiltration (sold separately)

INSTALLATION:

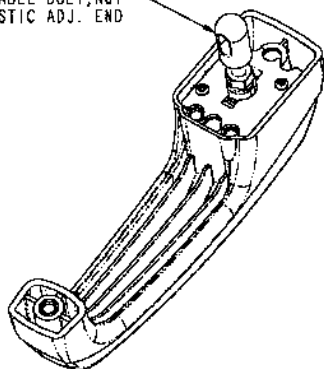
- Installed with (2 or 3) M6 x1.0 bolts (not included)
- Mounts against glass with only 2 holes
- Recommended mounting fastener torque to be 5.6-6.7 N-m (50-59 lbf-in)

Design Patent No. D461,391

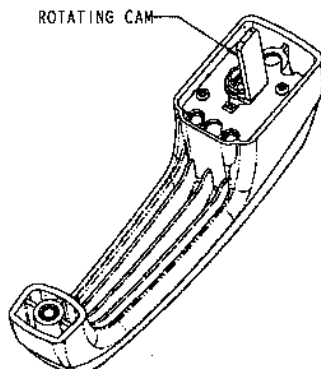
040-0600 TriMount Push Button Handle			
Mounting	Key codes	Locking	Drive Mechanism
163mm (2Hole)	Non-locking	Non-locking	None
120mm (2 hole)	CH751	Locking—Free Float	Adjustable Bolt
120mm (3 hole)	D250	Locked Rigid	Cam X 37.59 [1.480] lg.
	PK510		Cam X 42.59 [1.677] lg.
	14630 (Merit)		
	KA Rev TA 183		
	KR Rev TA001-010		

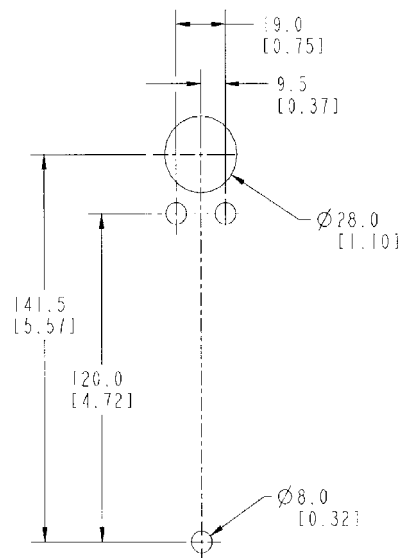
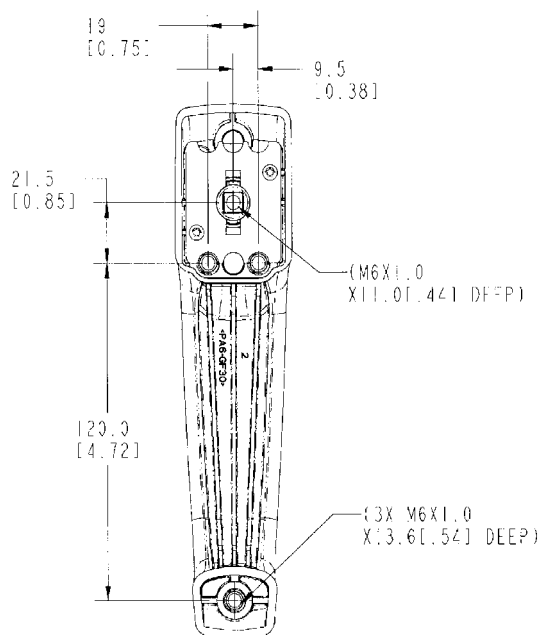
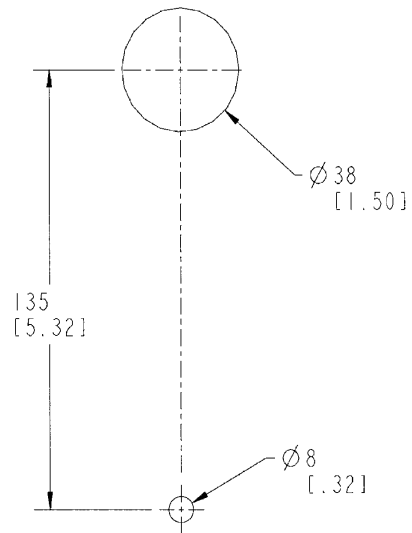
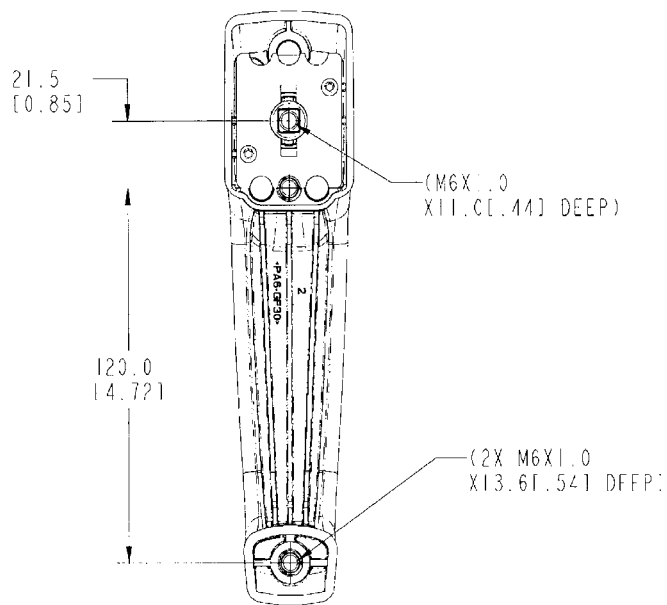
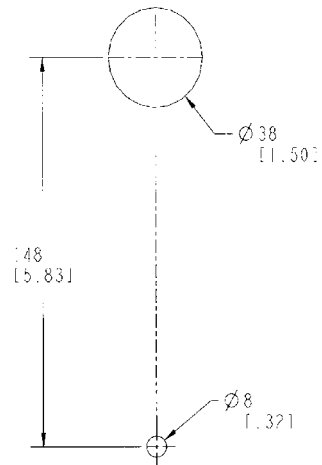
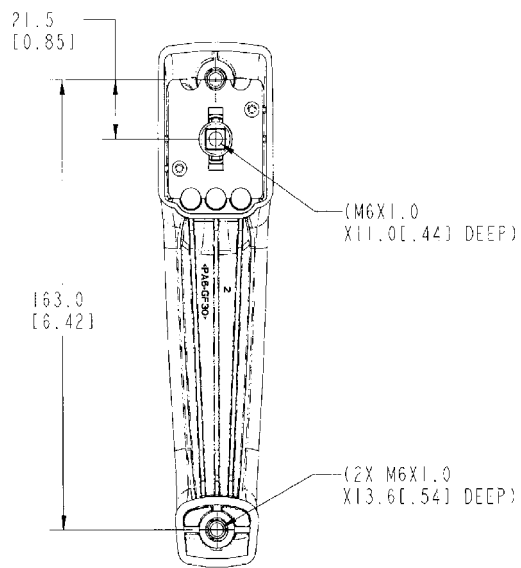


ADJUSTABLE BOLT, NUT
AND PLASTIC ADJ. END



ROTATING CAM





050-0100 Two-Rotor Latch

This versatile two-rotor latch is designed for medium to heavy-duty applications for on or off-highway entrance doors, compartments and access panels. It features a variety of trip lever and mounting axles for ease of mounting and applications and is FMVSS 206 compliant.

- Door thicknesses of 1-7/8" (47.6mm) or greater
- Door weights of 50-200 lbs (23-91 kg)
- Door seal pressures of 50-150 lbs (23-68 kg) (suggested for best results)

AVAILABLE:

- In left or right hand configurations (right hand shown)
- With (4) 1/4-20 UNC or M6 x 1 threaded axles
- With trip lever options
- Straddle mount option

INSTALLATION:

- Four 1/4-20 UNC grade 5 or M6 x 1 class 8.8 or better fasteners are required (not included). Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)
- Fastener mounting holes diameter should not exceed .281" (7.1mm)

FINISH:

- Zinc plated, clear chromate steel components

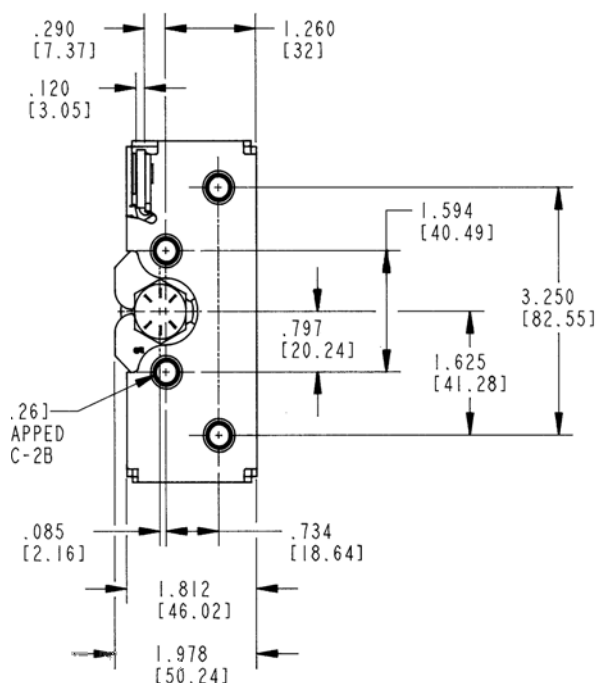
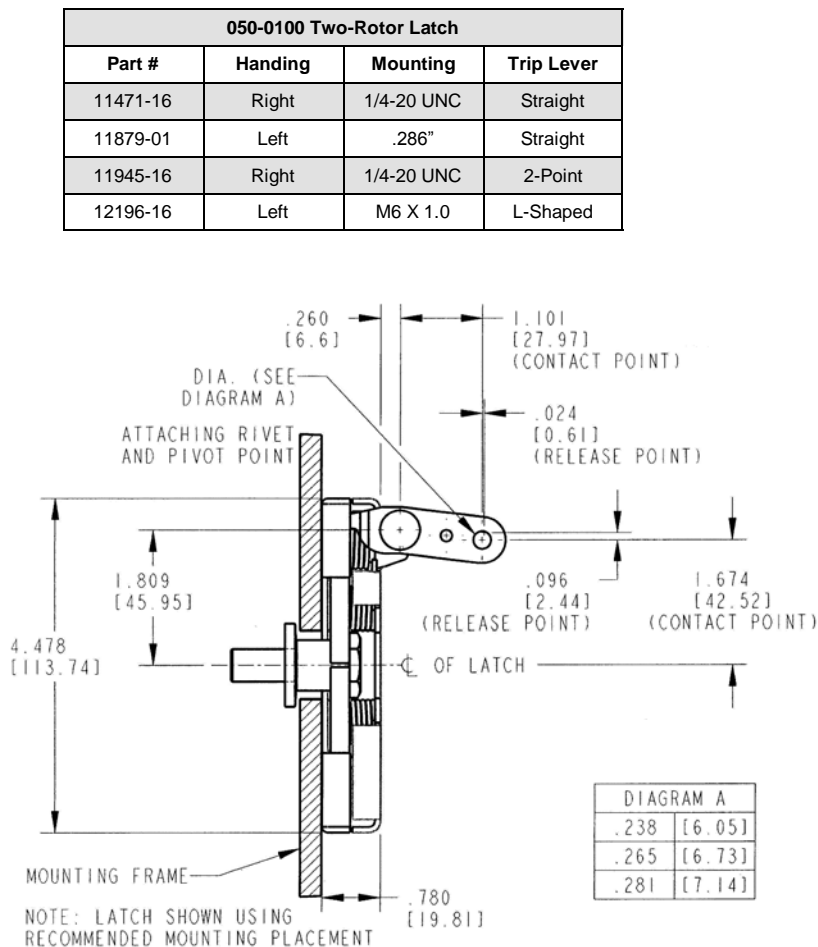
MATERIAL:

- Internal latch components: heat treated, smooth edge stamped steel
- Case halves: high strength steel
- Springs: non-corrosive stainless steel

INTERNAL LUBRICATION

- Oven-cured dry lubricant is applied at factory on all critical moving parts

Two position, double rotor latches comply with FMVSS 206 in primary and secondary latching positions when tested with approved TriMark FMVSS 206 compliant striker bolts in accordance with SAE J839.



050-0103 Two-Point Latch 2-Position Intertrip

DESIGNED FOR:

- Medium to heavy weight doors for on or off-highway applications requiring resistance to dust and vibration
- Door thicknesses of 1-7/8" (47.6mm) or greater
- Door weights of 50-200 lbs (23-91 kg)
- Door seal pressure of 50-150 lbs (23-68 kg) (suggested for best results)
- Visible surface installation or concealed inside installation
- Applications where it is desirable to have the release mechanism in line with the latch

FINISH:

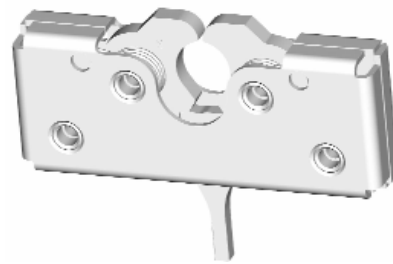
- Zinc plated, yellow chromate steel components

AVAILABLE:

- In left or right hand configurations
- With (4) 1/4-20 UNC, M6 X 1 threaded or .286 diameter "thru" axles
- With trip lever options

MATERIAL:

- Internal latch components: Heat treated, smooth edge stamped steel
- Case halves: High strength steel
- Springs: Non-corrosive stainless steel



INSTALLATION:

- Four 1/4-20 UNC grade 5 or M6 x 1 grade 8.8-type fasteners are required (not included). Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)
- Fastener mounting hole diameter should not exceed .281 (7.1mm)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied at factory on all critical moving parts

Two position, double rotor latches comply with FMVSS 206 in primary and secondary latching positions when tested with approved TriMark FMVSS 206 compliant striker bolts in accordance with SAE J839.

050-0300 Single Rotor Latch

This compact single rotor latch is designed for light to medium applications for on or off highway compartment doors and access panels. It features a single or 2 position compact rotary and is available in a variety of trip levers and mounting axles for ease of mounting and applications

- Most storage, compartment and access doors
- Any application where finger or remote release is desired
- Windows

MATERIAL:

- Strike, rotor and rotor catch: heat treated, smooth edge stamped steel
- Case halves: zinc plated, mild steel components handing is available

AVAILABLE:

- Latch is non-handed, but trip lever handing is available
- With (2) 1/4-20 UNC or M6 x 1.0 threaded axles or .265 (6.7mm) diameter through axles

INSTALLATION:

- Two 1/4-20 UNC grade 5-type or M6 x 1.0 class 8.8 or better fasteners are required (not included)
- See Appendix for Latch and Striker Installation
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied to catch and rotor

CAUTION: LATCH DOES NOT MEET FMVSS 206 LOAD REQUIREMENTS.



050-0300 Single Rotor Latch			
Part #	Trip Lever	Actuation	Mounting
11419-16	Shown	Finger Release	265" (6.7mm)
12226-16	Right	Finger Release	265" (6.7mm)
13281-01	Non-Handed	Straight	M6 X 1.0
14382-01	Non-Handed	Straight	265" (6.7mm)

050-0200 Slimline Rotary Latch

This compact single rotor latch is designed for light to medium applications for on or off-highway entrance doors, compartments and access panels. It features a variety of trip levers and mounting axles for ease of mounting and applications and is FMVSS 206 compliant.

- Door weights up to 75 lbs (37 kg)
- Door seal pressures of 20-25 lbs (9-11 kg) recommended for best results (not to exceed 50 lbs [23 kg])
- Visible surface installation or concealed installation

AVAILABLE:

- Left or right hand configurations (left hand shown)
- With standard .265 diameter "thru" axles as shown or 1/4-20 UNC threaded axles (optional) or M6 x 1.0 threaded axles

FINISH:

- Zinc plated, clear chromate steel components
- Stainless steel

MATERIAL:

- Internal latch components: heat treated, smooth edge stamped steel
- Springs: non-corrosive stainless steel
- Case halves: high strength steel



INSTALLATION:

- Three 1/4-20 UNC grade 5-type or M6 x 1 class 8.8 or better fasteners are recommended
- Vertical mounting with support ramp at top is required for proper alignment and subsequent engagement of locking pawl and striker bolt
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13.3 N-m)

INTERNAL LUBRICATION:

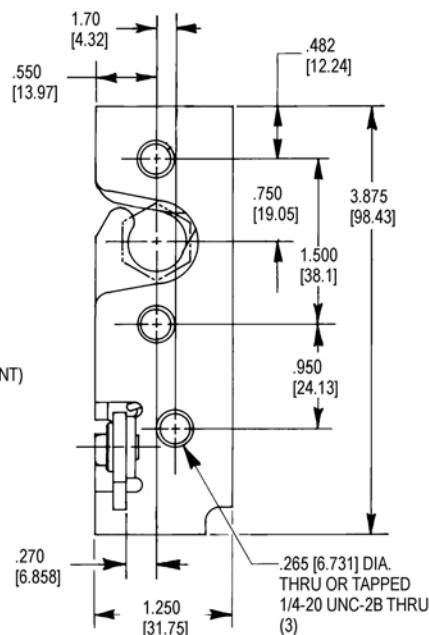
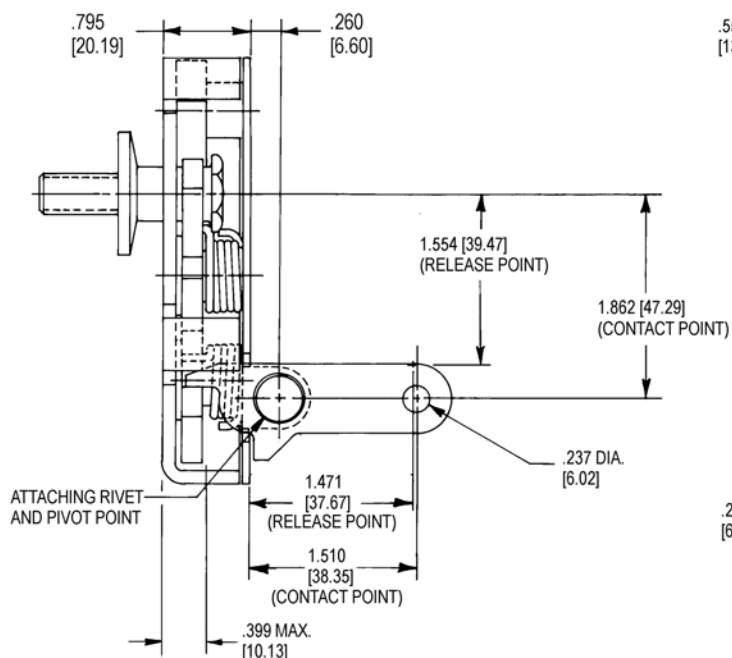
- Oven-cured dry lubricant is applied on all critical moving parts

U.S. Patent No. 7,156,430

U.S. Patent No. 7,320,488

Two position rotor latches comply with FMVSS 206 in primary and secondary latching positions when tested with approved TriMark striker bolts in accordance with SAE J839.

050-0200 Slimline Rotary Latch			
Part #	Handing	Actuation	Mounting
11189-16	Right	Straight	.265" (6.7mm)
11190-16	Left	Straight	.265" (6.7mm)
11656-16	Right	2-Point	1/4-20 UNC
11657-16	Left	2-Point	1/4-20 UNC
11664-16	Left	2-Point	.265" (6.7mm)
11665-16	Right	2-Point	.265" (6.7mm)
14047-01	Right	2-Point	1/4-20 UNC
14048-01	Left	2-Point	1/4-20 UNC



050-0250 Single Rotor Latch & Linkage Assembly

This latch and linkage system is intended for occupant or exit/entry doors for recreational vehicles including motor homes and travel trailers and specialty vehicles including ambulance, fire/rescue and off-highway vehicles (light duty) that require compliance to FMVSS 206 standards. The flexible design allows for internal or external door mounting and provides automotive logic function with remote activating handles.

- Door weights up to 75 lbs (34 kg)
- Door seal pressures of 20-25 lbs (9-11 kg) recommended for best results (not to exceed 50 lbs [23 kg])

AVAILABLE:

- Right or left hand configurations (left hand shown)
- Spacer plate is available to facilitate interior door mounting
- Improved versions are available with increased mechanical advantage that reduce the release efforts at the exterior and interior handles. These versions are retrofittable with previous part numbers but may require connecting rod revisions, due to the increased length of the linkage and slightly revised rod connections points.

FINISH:

- Zinc plated clear chromate steel components

MATERIAL:

- Internal latch components: heat treated, smooth edge stamped steel
- Springs: non-corrosive stainless steel
- Case halves: high strength steel



Latch shown with optional state sensing. State sensing option adds an electrical switch to the latch to sense the door open and door closed state.

INSTALLATION:

- Can be mounted inside or outside of door edge
- Three 1/4-20 UNC grade 5-type or better fasteners are recommended (not included). Tighten to the manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)

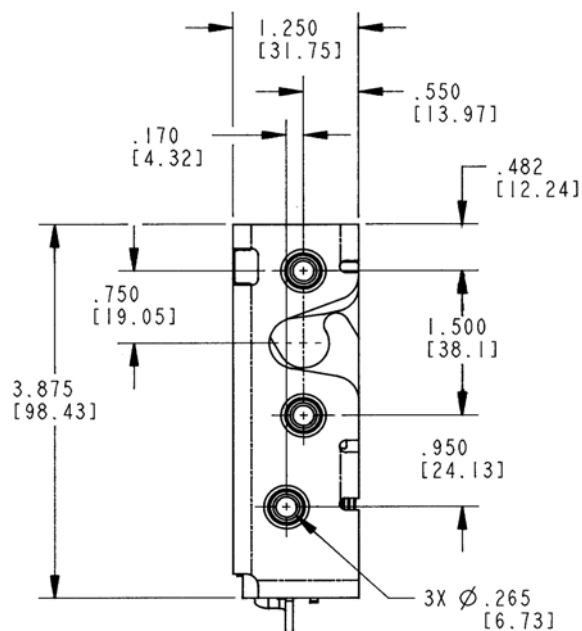
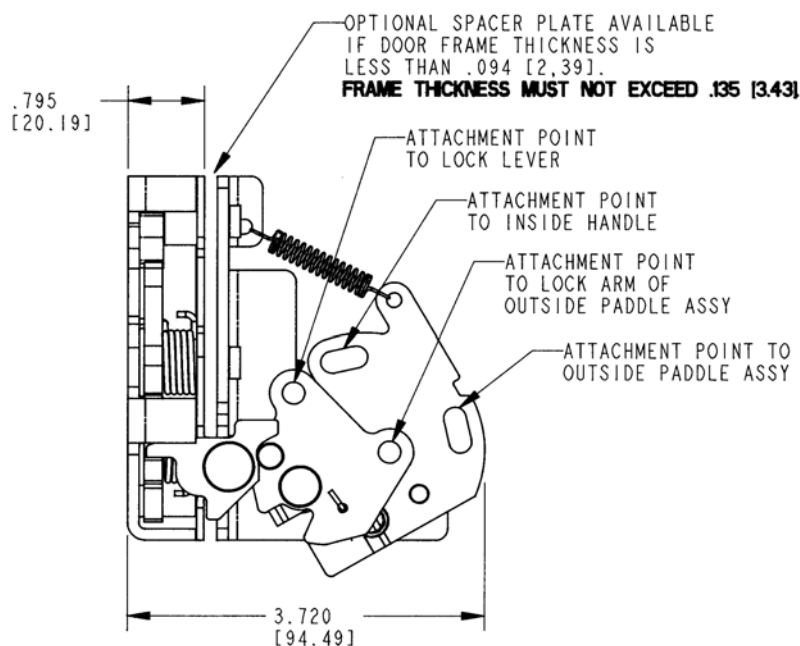
INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied on all critical moving parts

Latch and linkage complies with FMVSS 206 when tested with approved TriMark Striker Bolts in accordance with SAE J839.

Patent Pending

050-0250 Single Rotor Latch & Linkage Assembly			
Part #	Handing	Mounting	
11342-16	Right	1/4-20 UNC	Locking
11344-16	Left	1/4-20 UNC	Locking
12041-16	Right	1/4-20 UNC	Non-Locking
12042-16	Left	1/4-20 UNC	Non-Locking



050-0400 Floating Striker Single Rotor Latch

This robust single rotor latch is designed for medium to heavy-duty applications for on or off highway entrance doors, compartments and access panels. It features a vertical clearance rotor for high vibration applications and is available in a variety of trip levers and mounting axles for ease of mounting and applications and is FMVSS 206 compliant.

- Door thicknesses of 1-7/8" (47.6mm) or greater
- Door weights of 50-200 lbs (23-91 kg)
- Door seal pressures of up to 150 lbs (68 kg) (< 50 lbs (23 kg) suggested for best results)
- Visible surface installation or concealed inside installation

FEATURES/BENEFITS:

- Allows for $\pm .143$ (3.63) strike travel from .789
- Ideal for applications with high vibration loading and where controlled travel between the latch and strike is characteristic of the application
- Single-position rotary style latching

INSTALLATION:

- Four 1/4-20 UNC grade 5 or M6 x 1 class 8.8-type fasteners are required (not included). Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13 N-m)
- Fastener mounting holes diameter should not exceed .281 (7.1mm)

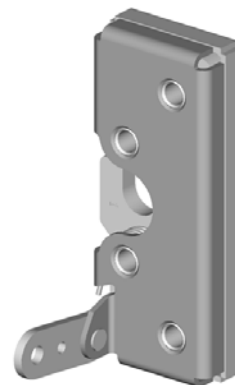
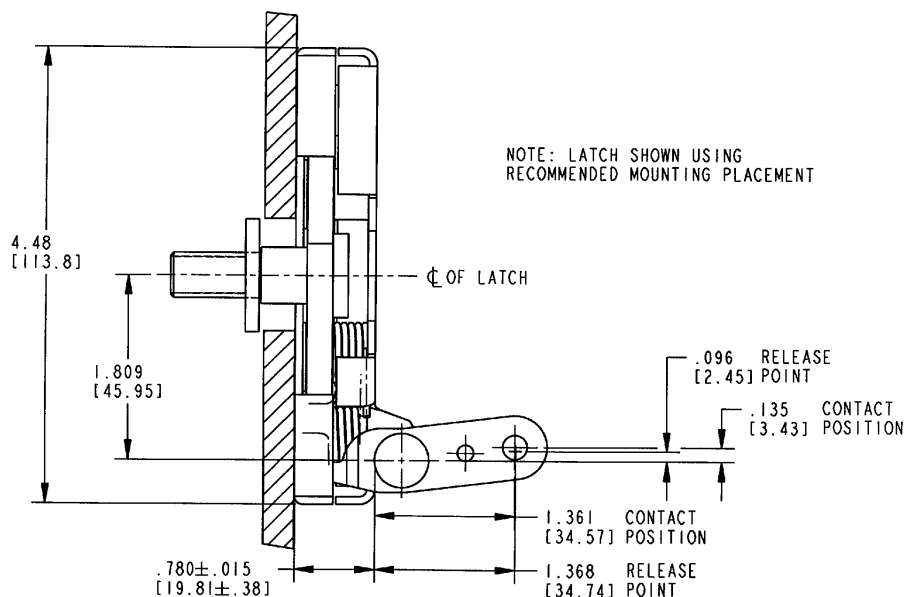
AVAILABLE:

- In left or right hand configurations (right hand shown)
- With (4) 1/4-20 UNC, M6 X 1 threaded axles or .286 (7.3mm) through axles
- With trip lever options

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied at factory on all critical moving parts

CAUTION: Latch does not comply with FMVSS 206 requirements.



050-0400 Floating Striker Single Rotor Latch Handing					
Part #	Handing	Mounting	Actuation	Actuation Feature	Actuation Support
11615-01	Left	.286 (7.3mm) Diameter Through Axles	Convention Straight	None	Standard Mount
11616-01	Right	.286 (7.3mm) Diameter Through Axles	Conventional Straight	None	Standard Mount
13921-01	Left	.286 (7.3mm) Diameter Through Axles	Conventional Straight	Torsion Spring	Standard Mount
14325-01	Right	1/4-20 UNC Threaded Axles	Convention 2-Point	None	Standard Mount
14923-01	Right	.286 (7.3mm) Diameter Through Axles	Convention Straight	Torsion Spring	Standard Mount

050-0500 Single Rotor Mini-Latch

Designed for small compartment and access doors where low cost slam action latching is desired. It features a single or two-position compact rotary and is available in a variety of trip levers and mounting axles for ease of mounting and applications

- Door closing forces of 15-20 lbs (6.8-9 kg) recommended for best results (not to exceed 50 lbs [23 kg])

FEATURES/BENEFITS:

- Compact size
- Low cost
- Single position rotary style latching action
- Double position also available

AVAILABLE:

- Right and left hand configurations (left hand shown)
- With 1/4-20 UNC threaded axles
- Base mount
- With rod collars attached

MATERIAL:

- Internal latch components and case halves: high-strength steel
- Springs: non-corrosive stainless steel



FINISH:

- Zinc plated, clearchromate
- Stainless steel

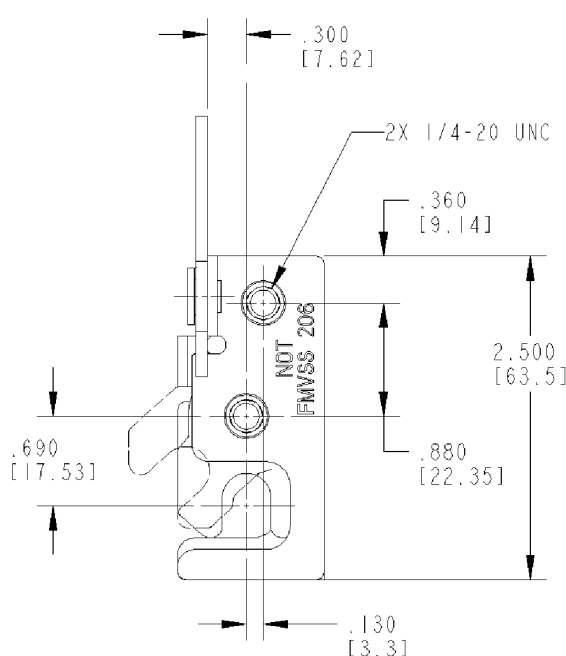
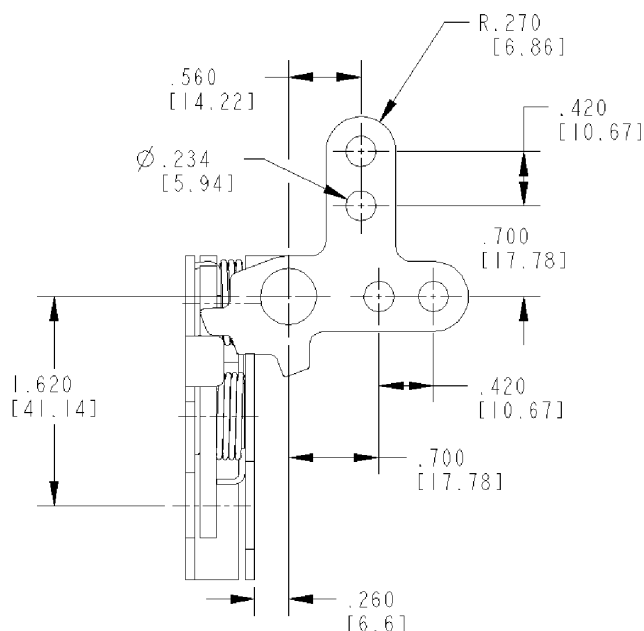
INSTALLATION:

- Two 1/4-20 UNC mounting fasteners (not included)
- Custom mounting brackets and release levers upon request
- Tighten to the manufacturers' recommended torque value, however, do not exceed 100 in-lbs (11.2 N-m)

Rod collars are not intended or recommended for use in applications that require FMVSS 206 compliance or applications that have heavy or extreme striker bolt loads (> 25 lbs / 11 kg) and/or high to extreme usage (> 100,000 door cycles/life).

CAUTION: Latch does not comply with FMVSS 206 requirements.

050-0500 Single Rotor Mini Latch			
Part #	Handing	Actuation	Mounting
13374-01*	Right	2-Point	1/4-20 UNC
13776-01	Left	2-Point	1/4-20 UNC
15159-01	Right	2-Point	1/4-20 UNC
15160-01	Left	2-Point	1/4-20 UNC
15252-01	Right	L-Shaped	.286"
15253-01	Left	L-Shaped	.286"
16979-01	Left	Direct	Base
16903-01	Right	Direct	Base



060-0201 Trailer Latch

This trailer latch was specifically designed for entrance, baggage and compartment doors for recreational vehicles including motor homes and travel trailers. It features a modern styled paddle and provides a single reversible key system with TriMark's KeyOne™ Plus system.

- All doors with thickness of 1-1/4" (31.8mm) to 1-1/2" (38.1mm) (other door thicknesses available -- please inquire)
- Universal applications--either right or left handed

FEATURES/BENEFITS:

- Paddle can be locked before door is shut
- Paddle is rigid when locked
- Automotive styling
- Comfortable finger access
- Inside assist for easy door closing
- Water resistant

AVAILABLE:

- With optional built-in dead bolt (060-0251 Series)
- Reversible key for ease of operation
- With or without inside release (060-0201 Series)
- Reverse plunger for inward swinging doors (optional)
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking



MATERIAL:

- Major components: die cast zinc alloy
- Strike plate (standard version): die cast zinc alloy
- Strike plate (optional dead bolt version): steel or non-corrosive stainless steel
- Non-metallic plunger

FINISH:

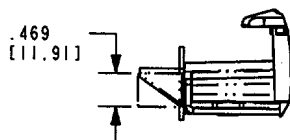
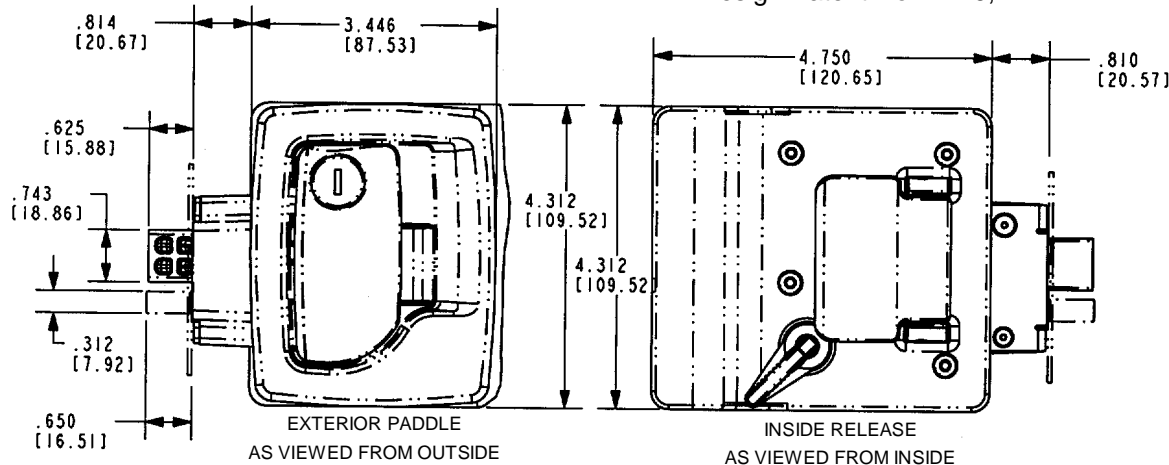
- Black powder coated or white
- Strike plate (standard version): black powder coating
- Strike plate (optional deadbolt version): zinc plated

INSTALLATION:

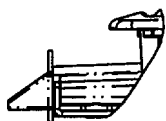
- Requires (4) #8-32 thread forming fasteners (Available--please inquire)

CAUTION: LATCH DOES NOT MEET FMVSS 206 LOAD REQUIREMENTS.

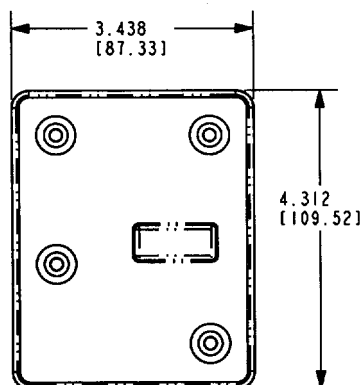
U.S. Patent No. 5,927,773 & 6,409,234
Design Patent No. D419,421



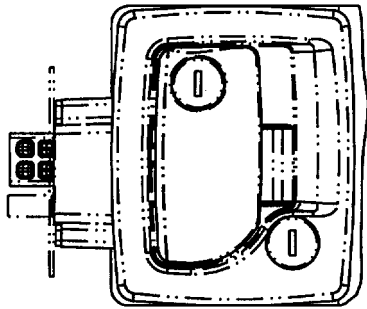
060-0201 SERIES WITH INSIDE LOCK AND STANDARD PLUNGER



060-0201 SERIES WITH INSIDE LOCK AND STANDARD PLUNGER



060-0251 Trailer Latch With Dead Bolt



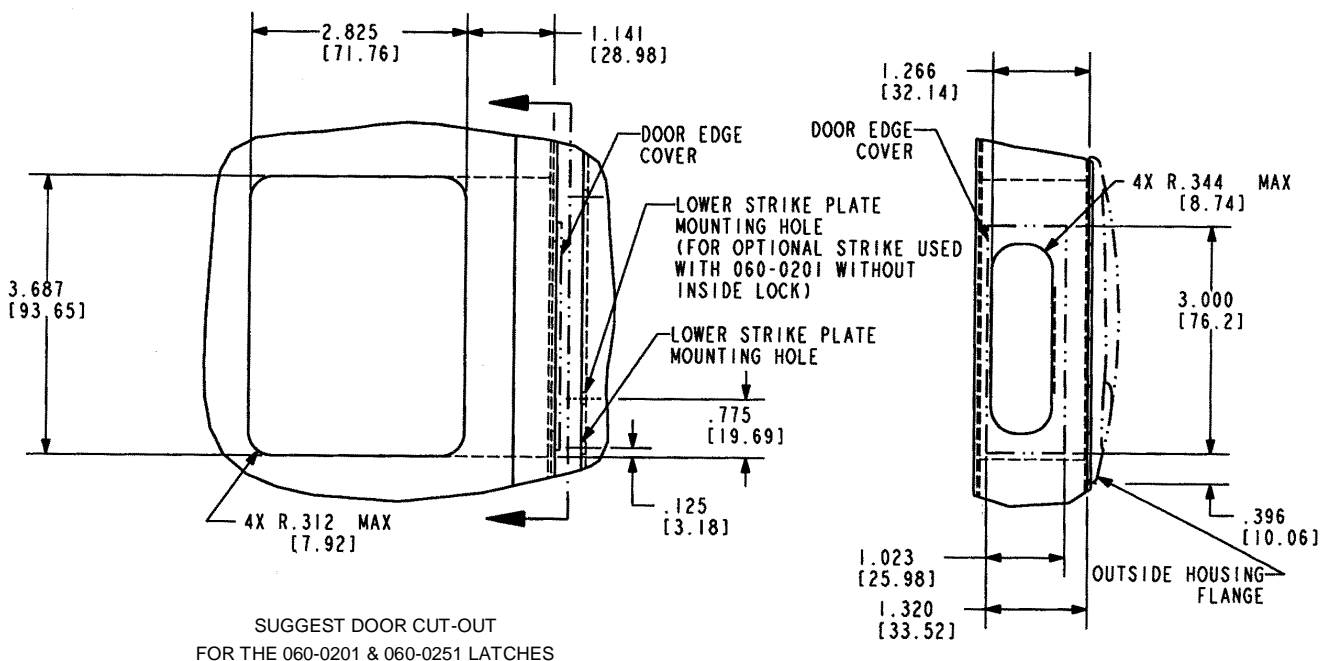
060-0201 and 060-0251

FEATURES/BENEFITS:

- Paddle can be locked before door is shut
- Paddle is rigid when locked
- Automotive styling
- Comfortable finger access
- Inside assist for easy door closing
- Water resistant

060-0201 Trailer Latch				
Part #		Finish	Key Code	Dead Bolt
14900-01	Exterior Paddle	Low Gloss Black	1141-1240	Yes*
14901-01	Exterior Paddle	Low Gloss Black	1141-1240	No
15702-01	Exterior Paddle	Low Gloss Black	KeyOne Plus	No
15711-01	Exterior Paddle	Low Gloss Black	KeyOne Plus	Yes*
15774-01	Plate Cover	Low Gloss Black	N/A	N/A
060-0251 Trailer Latch With Dead Bolt				
13631-01	Exterior Paddle	Low Gloss Black	1141-1240	Yes
15701-01	Exterior Paddle	Low Gloss Black	KeyOne Plus	Yes
15605-01	Inside Release	Low Gloss Black	N/A	N/A

* Note: Dead bolt can only be operated from inside release



060-0300 Flush Mount Security Lock

DESIGNED FOR:

- Door applications in travel trailers and motor homes with modern automotive styling

FEATURES/BENEFITS:

- Fits doors with thicknesses of 1-1/4" (31.8mm) to 1-3/4" (44.5mm)
- Can be mounted on either hollow or solid core door on travel trailers and motor homes
- retrofittable with most face and edge bores now commonly used
- Shuttered automotive style keyway
- Fits either left or right hand doors
- 5 pin brass tumblers cylinder
- Two nickel-plated keys included

AVAILABLE:

- 2-3/8" (60.3mm) and 2-3/4" (69.9mm) backsets standard (other backsets available)
- Up to 1,000 key codes available
- Strike available

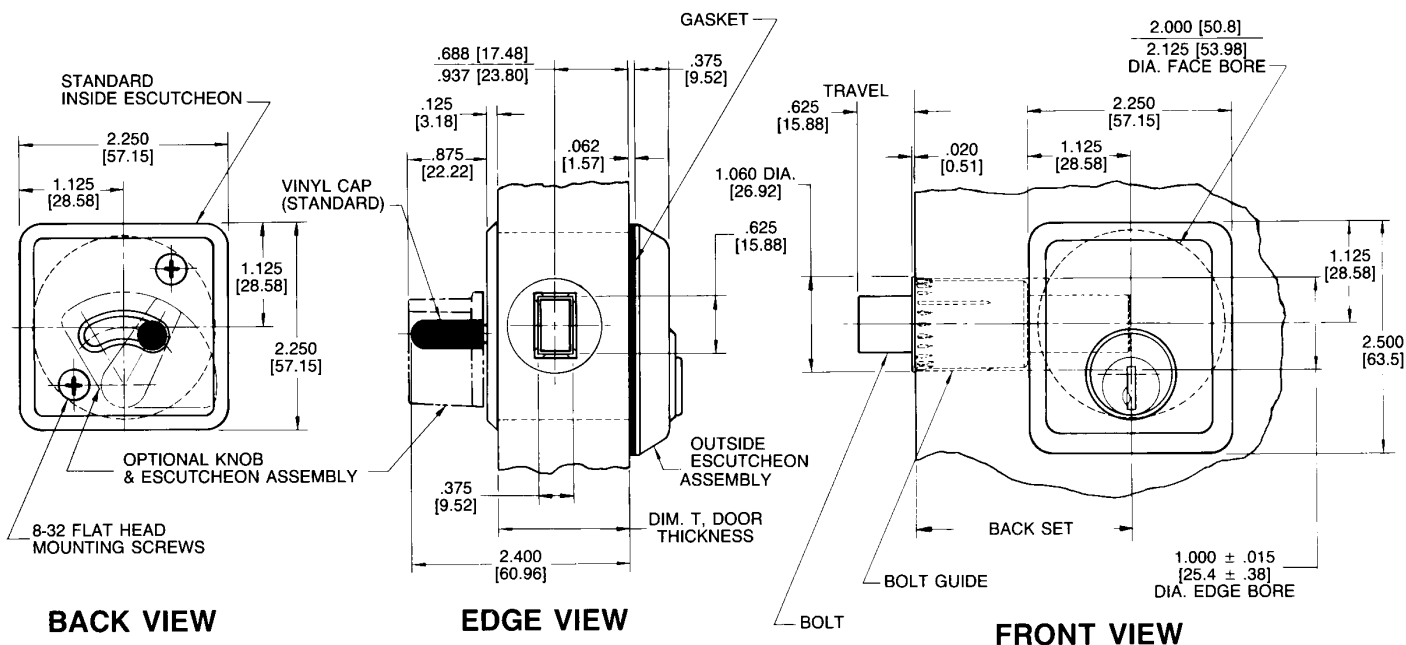
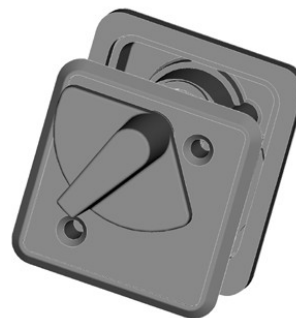
MATERIAL:

- Sturdy die cast zinc alloy

FINISH:

- Black powder coated
- Additional colors and finishes available -- please inquire

060-0300 Flush Mount Security Lock			
Part #		Finish	Backset
11690-00	Dead Bolt	N/A	4.687
11692-12	Complete Assembly	Medium Gloss Black	5.000
11840-01	Complete Assembly	Medium Gloss Black	3.375
11840-02	Complete Assembly	Black Textured Paint	N/A



060-0400 Flush Baggage Lock

DESIGNED FOR:

- Recreational vehicles
- Single point assembly ideally suited to 1.437" and thicker foam core doors with door seal forces up to 20 lbs. (other applications possible)
- Two-point assembly can be used on virtually any thickness door with linkage release efforts up to 7 lbs. per linkage rod

FEATURES/BENEFITS:

- Pivot arm and plunger bolt operating mechanism provides resistance to water and dirt penetration
- Modern automotive styling
- Shuttered key cylinder
- Paddle can be locked before door is shut
- Comfortable finger access

FINISH:

- Black powder coated
- White powder coated

MATERIAL:

- Engineering plastic used for plunger bolt, pivot arm, and pivot plate has lower coefficient of friction than nylon, reducing closing and operating efforts

AVAILABLE:

- With or without plunger bolt for one or two point operation
- Locking or non-locking
- Keyed alike
- Wide variety of mounting bracket options available for various applications
- Linkage rods available for your specific applications
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking



INSTALLATION:

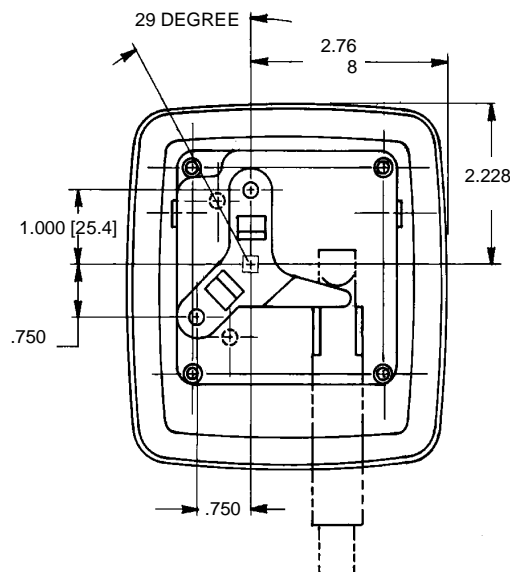
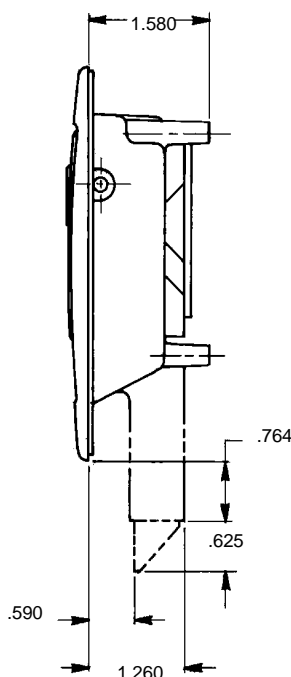
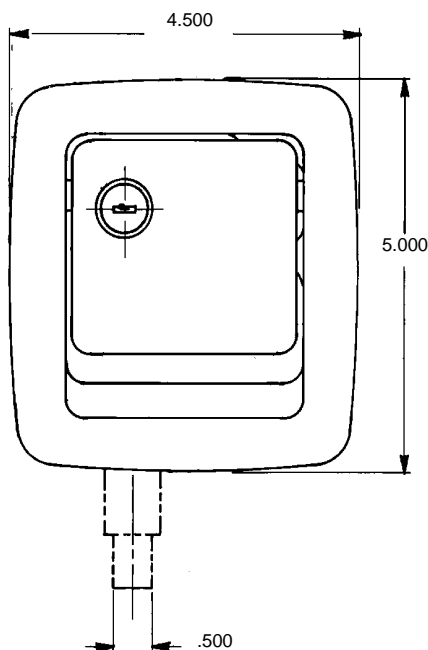
- Easy drop-in installation with two-point version
- Supplied with gasket already applied under recess in housing flange for simple, clean installation
- Mounts with (4) #8-32 thread cutting screws (not supplied)

U.S. Patent No. 5,058,937

Canadian Patent No. 2045830

Design Patent No. D373,298

060-0400 Flush Mounted Baggage Lock			
Part #	Actuation	Key Code*	Finish
11959-37	Single Point	Non-Locking	Low Gloss Black
12006-37	2-Point	Non-Locking	Low Gloss Black
12054-37	Single Point	TM500	Low Gloss Black
12055-37	2-Point	TM500	Low gloss Black
13532-01	2-Point	KeyOne	Low Gloss Black
16802-01	Single Point	KeyOne Plus	Low Gloss Black
Note: Keys sold separately			



060-0450 EZ Access Baggage Lock

This baggage door lock was specifically designed for baggage and compartment doors for recreational vehicles including motor homes and travel trailers. It offers an improved plunger design and increased mechanical advantage for lower operating efforts.

FEATURES/BENEFITS:

- Offers lower operating efforts and a more forgiving assembly
- Ample finger clearance
- Paddle can be locked before the door is shut (slam action)

AVAILABLE:

- Wide variety of mounting bracket options available for various applications
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking



FINISH:

- Paddle and housing: low gloss black powder coat
- Steel components: zinc coat with clear chromate

MATERIAL:

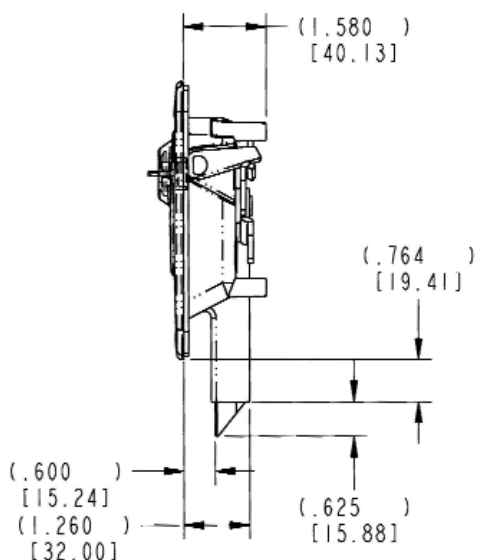
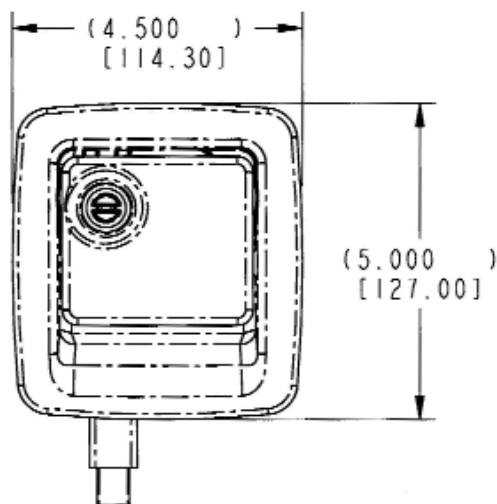
- Housing and paddle: zinc
- Pivot plate, axles, pivot arm: steel
- Plunger bolt: plastic

INSTALLATION:

- Mounts with four (4) #8-32 thread forming fasteners (available - please inquire)

U.S. Patent No. 6,547,290

Design Patent No. D373,298



060-0450 EZ Access Baggage Door Lock			
Part #	Handing	Finish	Key Code*
19750-01	Non-Handed	Low Gloss Black	2002
19750-02	Non-Handed	Low Gloss Black	Non-Locking

*Lock sold separately

060-0460 EZ Access Baggage Door Lock

This baggage door lock was specifically designed for baggage and compartment doors for recreational vehicles including motor homes and travel trailers. It is available with multi-point functionality or as a single point with either a zinc or plastic plunger.

FEATURES/BENEFITS:

- Offers lower operating efforts and more forgiving assembly
- Ample finger clearance
- Paddle can be locked before the door is shut (slam action)
- Updated styling
- Improved plunger design
- Increased mechanical advantage to allow for lower operating efforts
- Available in single or three-point actuation for latching versatility

FINISH:

- Paddle and housing: powder coat in various colors
- Steel components: zinc coat with clear chromate

MATERIAL:

- Housing and paddle: die cast zinc
- Pivot plate, axles, pivot arm: steel
- Plunger bolt: plastic or die cast zinc

AVAILABLE:

- Locking or non-locking
- Keyed alike
- Wide variety of mounting bracket options available for various applications
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Multi-point actuation or single point
- Zinc or plastic plunger

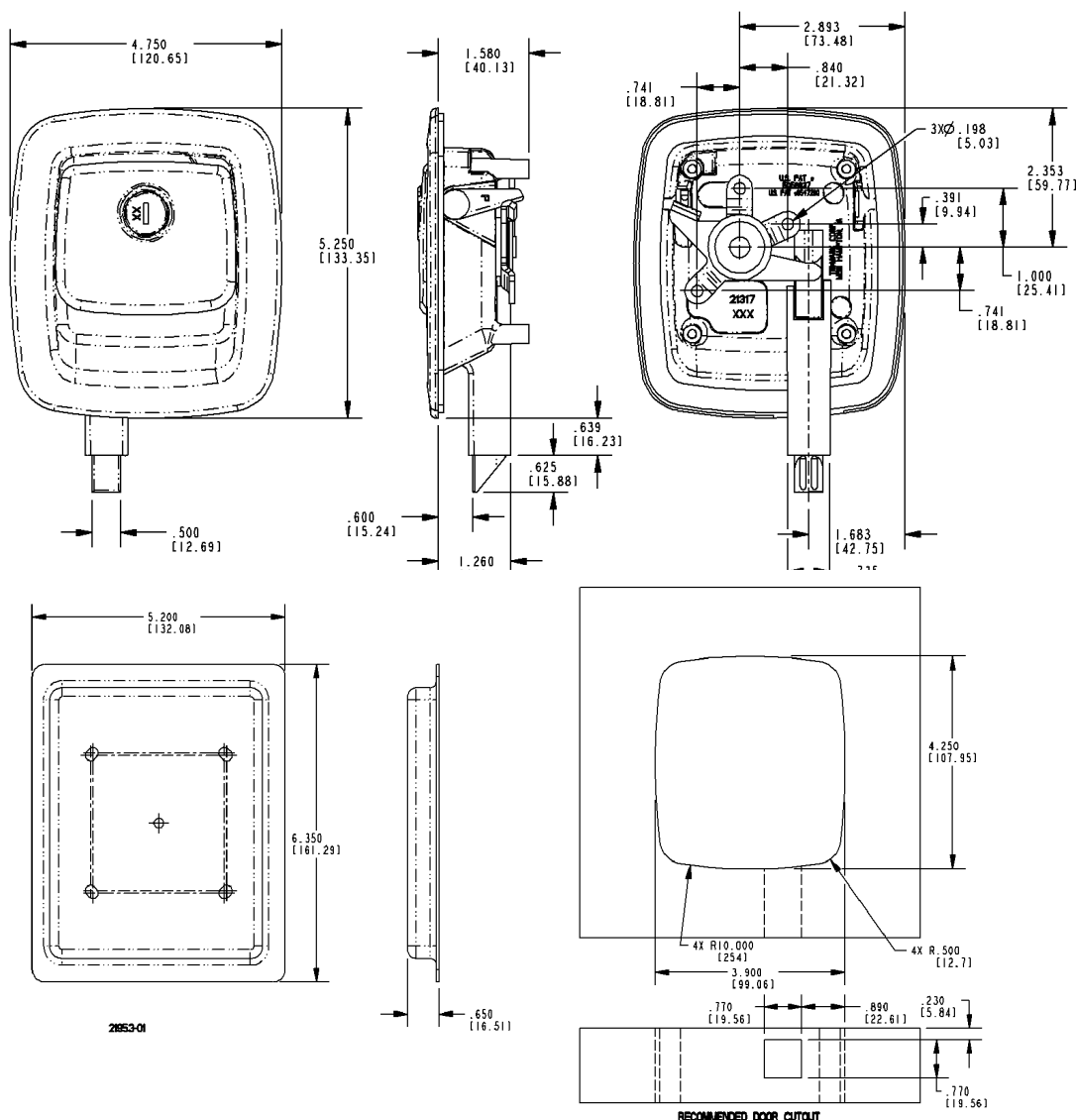


INSTALLATION:

- Mounts with four (4) #8-32 thread forming fasteners (not supplied)
- Supplied with gasket already applied under recess in housing flange for simple, clean installation



U.S. Patent No. 6,547,290
Other Patents Pending



060-0475 Flush Baggage Door e-LOCK

This baggage door lock was specifically designed for baggage and compartment doors for recreational vehicles including motor homes and travel trailers. It features a modern styled paddle and offers the use of power door lock actuation. It is available with multi-point functionality or as a single point with either a zinc or plastic plunger.

FEATURES/BENEFITS:

- Offers modernized styling
- Allows the use of power door lock actuation
- Large handle provides comfortable finger access and greater ease of operation (ergonomics)
- Single point zinc or plastic plunger or multi-point functionality works with TriMark rotary or plunger latches in doors 1.187" (30.1mm) and thicker
- Multi-point handle can be mounted in vertical or horizontal orientations and is able to actuate latches at the sides and also the top and bottom of the door
- Paddle can be locked before the door is closed (slam action)

FINISH:

- Supplied painted in a low gloss black finish, the product can be easily painted over to match body colors
- Also available copper-nickel chrome plated

MATERIAL:

- Sturdy zinc die cast alloy housing, paddle and plunger
- All parts (axles, pivot arm, pivot plate, lock cam): cold rolled steel with zinc plate, clear chromate for corrosion resistance
- Engineering plastic used for plunger bolt drive end and plunger bolt (when specified) has lower coefficient of friction, reducing closing and operating efforts

AVAILABLE:

- With or without plunger bolt for one or multi-point operation
- Single point version is available with a zinc or plastic plunger
- Handle can be keyed to match other TriMark RV door products with KeyOne™ Plus for a single-key system, keyed alike or provided non-locking
- Housing flange and internal gaskets provided for resistance to water and dirt infiltration
- Linkage rods available for your specific applications



INSTALLATION:

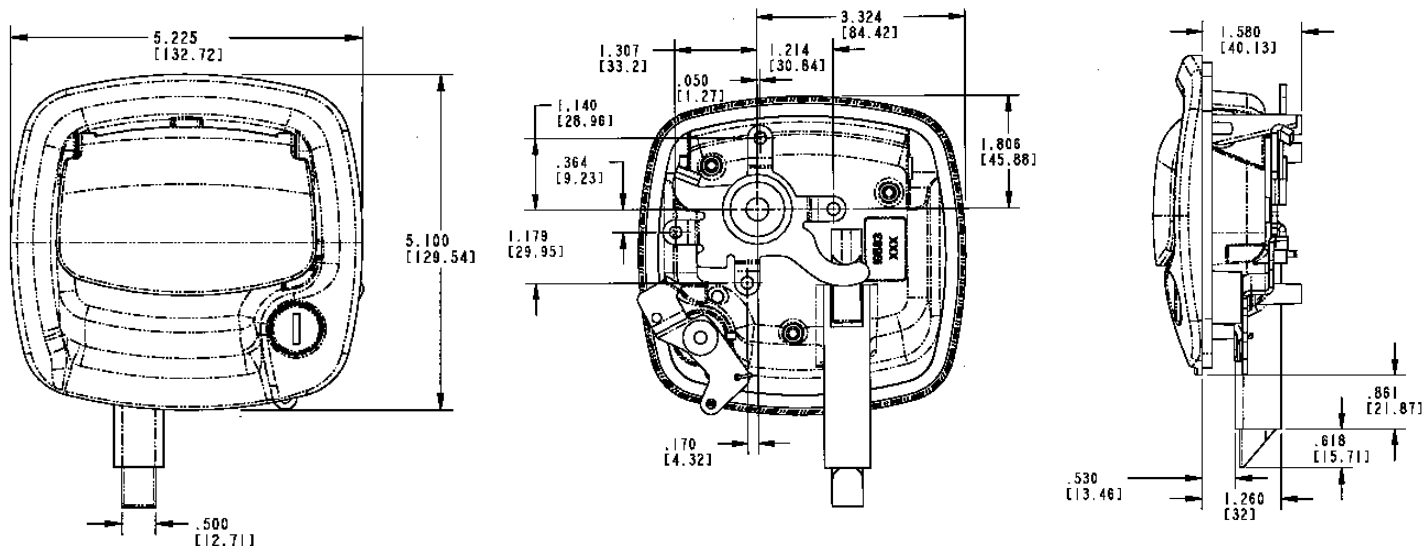
- Handle is easy to install with (3) #8-32 thread forming fasteners (supplied separately)
- Optional mounting bracket and rod allows the power actuator to mount to the handle for ease of installation
- Supplied with gasket already applied under recess in housing flange for simple, clean installation

System kits are available and include handles, latches, rods, brackets and power lock actuators to provide a comprehensive electro-mechanical access solution

U.S. Patent No. 7,232,162
Design Patent No. D519,823



060-0475 Flush Baggage Door e-LOCK				
Part #	Handing	Finish	Key Code	Plunger
19583-03	Non-handed	Low Gloss Black	KeyOne Plus	Plastic
19583-04	Non-handed	Copper-Nickel Chrome	KeyOne Plus	Plastic
20356-01	Non-handed	Low Gloss Black	Non-Locking	Zinc
20356-02	Non-handed	Low Gloss Black	Non-Locking	Plastic
20356-03	Non-handed	Low Gloss Black	KeyOne Plus	Plastic



060-0500 Plunger Bolt

This latch was designed for small compartment and access doors where low cost slam action latching is desired. It features a plastic plunger bolt for ease of closing/opening and is available with rod collars and a direct release knob for installation and ease of use.

FEATURES/BENEFITS:

- Unique, economical, single piece cover design
- .625" (15.87mm) allowable travel
- Low operating efforts
- Corrosion resistant
- Slotted mounted holes for ease of installation
- Precision placed mounting holes allow pre-drilling of holes in mating parts
- Optional inside release feature
- Non-metallic plunger bolt
- Optional collar and setscrew for easy rod attachment and adjustment

FINISH:

- Cover and link - zinc plated with clear chromate conversion coating
- Collar - clear chromate dip

MATERIAL:

- Cover and link: cold rolled steel
- Plunger bolt: black nylon
- Collar: zinc die cast alloy



INSTALLATION:

- Recommended use of #10-24 or #10-32 type D, F, G, or T thread cutting, self-threading screws (not included)

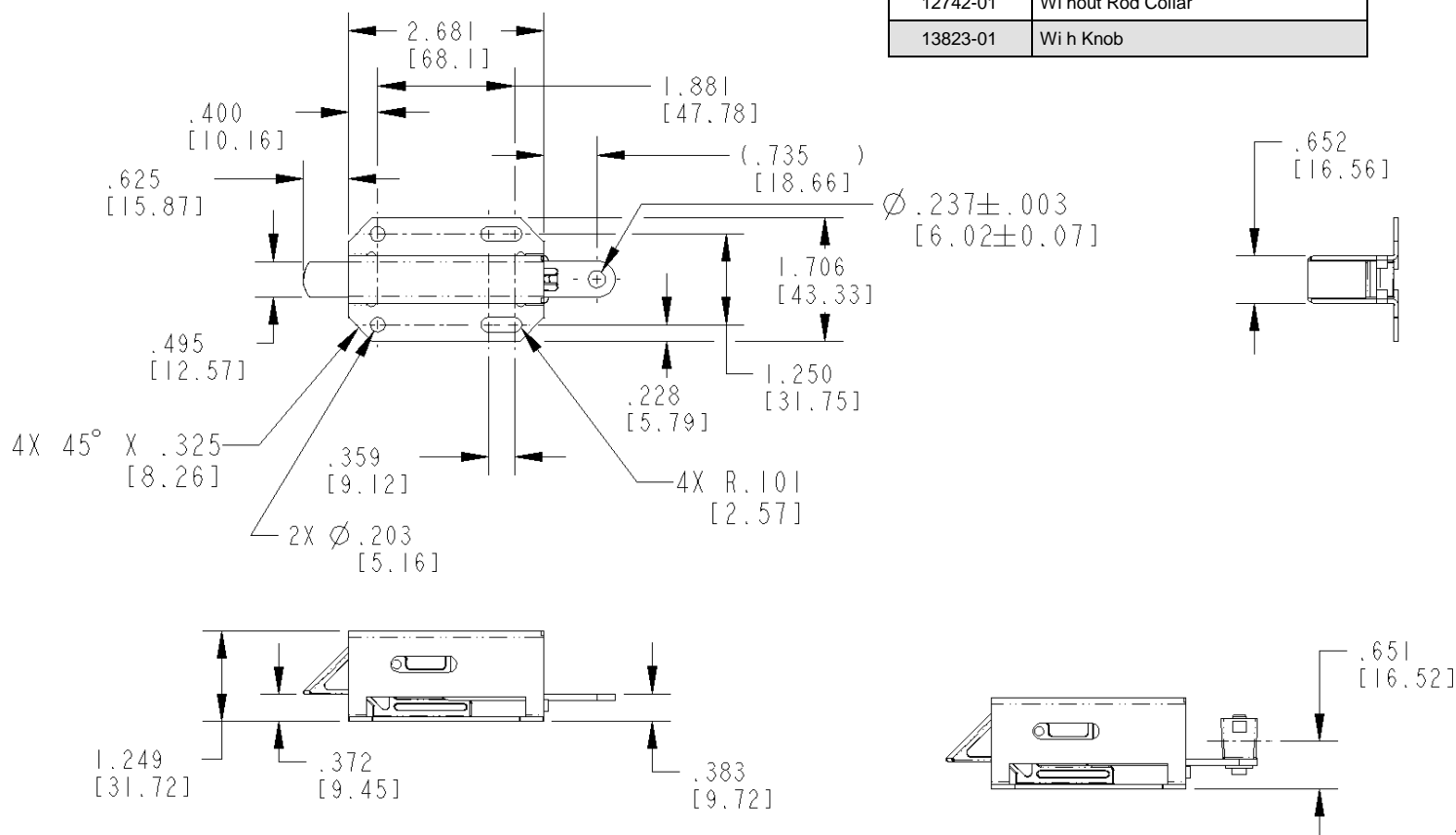
AVAILABLE:

- With or without collar and setscrew as shown below (please inquire)
- Operated with cables or rods
- Custom rods up to .219 diameter (5.4mm)
- Optional nose configurations available (requires tooling)

Rod collars are not intended or recommended for use in applications that require FMVSS 206 compliance or applications that have heavy or extreme striker bolt loads (> 25 lbs / 11 kg) and/or high to extreme usage (> 100,000 door cycles/life).

U.S. Patent No. 5,360,355

060-0500 Plunger Assembly	
Part #	
12296-01	With Rod Collar .265 Dia.
12742-01	Without Rod Collar
13823-01	With Knob



060-0600 / 060-0650 Motor Home Entrance Door Hardware

Designed for motor home entrance doors, this product provides easy installation with a through sandwich mounting. It features a low cost plunger style latch and is compliant to FMVSS 206. The 060-0650 includes a built-in dead bolt for additional security.

- Door thickness of 1.390" (35.3mm) to 1.600" (40.6mm). (Different inside plates are required to facilitate range of door thicknesses. Please identify when inquiring.)
- Universal applications--either right or left handed

FEATURES/BENEFITS:

- Paddle can be locked before door is shut
- Paddle is rigid when locked
- Automotive styling
- Comfortable finger access
- Inside assist for easy closing
- Serviceable shuttered key cylinder
- Built-in dead bolt eliminates the need for an add-on residential type dead bolt
- Dead bolt locks into the fully extended position for true dead bolt functioning (060-0650)

AVAILABLE:

- With optional built-in dead bolt (060-0650)
- Master keyed paddle keycylinder. Non-master keyed dead bolt

FINISH:

- Black powder coated
- Copper-nickel-chrome plated

MATERIAL:

- Housing, inside plates, paddles, plunger bolt and certain lock actuating components: die cast zinc alloy
- Strike plate: heat treated and zinc plated steel

INSTALLATION:

- #10-24 UNC mounting screws (not included). Recommended torque 10 in./lbs. (1.1 N-m) 1/4-20 UNC grade 5-type fasteners for strike plate installation recommended
- Supplied with gasket already applied under recess in housing flange
- Sandwich mount installation does not require any linkage rods

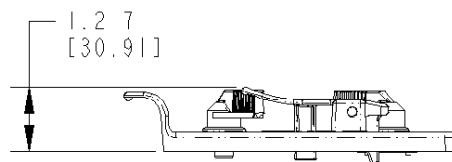
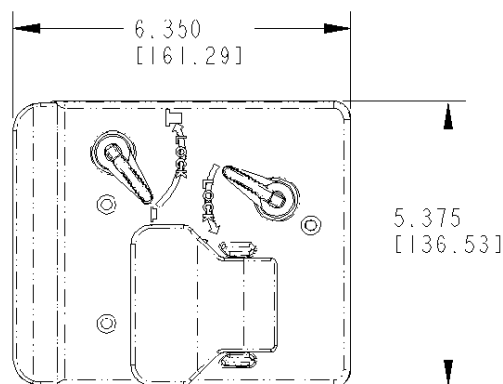
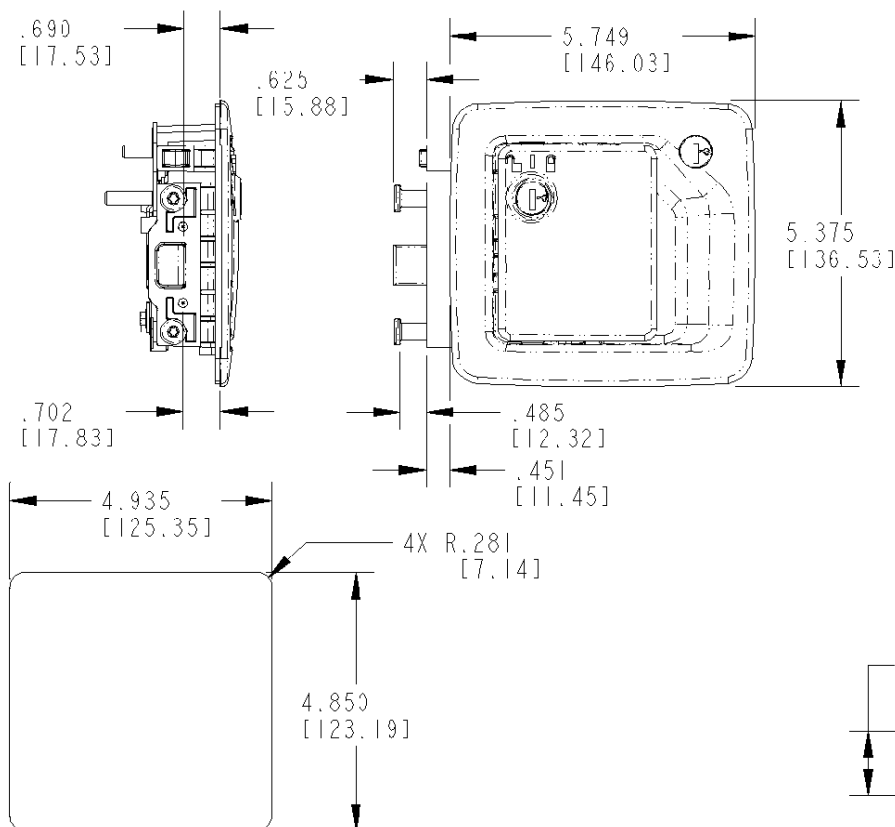
Meets FMVSS 206 load requirements and may be used in FMVSS 206 applications pending TriMark application approval.

U.S. Patent No. 4,736,972

Design Patent No. D346,731



060-0650 Motor Home Entrance Door Hardware With Dead Bolt



060-0900 Plunger Bolt

This latch was designed for small compartment and access doors where low cost slam action latching is desired. It features a plastic plunger bolt for ease of closing/opening and a flange mount that allows for internal door mounting (recessed).

FEATURES/BENEFITS:

- .500" (12.7mm) allowable travel
- Low operating efforts
- Corrosion resistant
- Non-metallic plunger bolt
- Flange mount allows for internal door mounting (recessed)

FINISH:

- Black painted finish

MATERIAL:

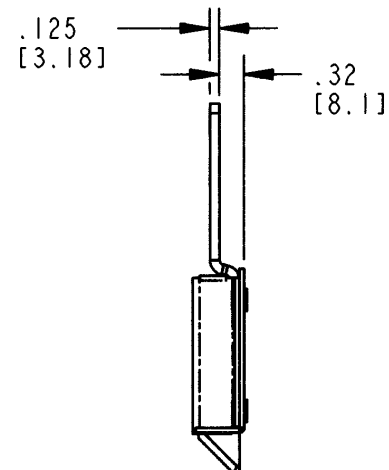
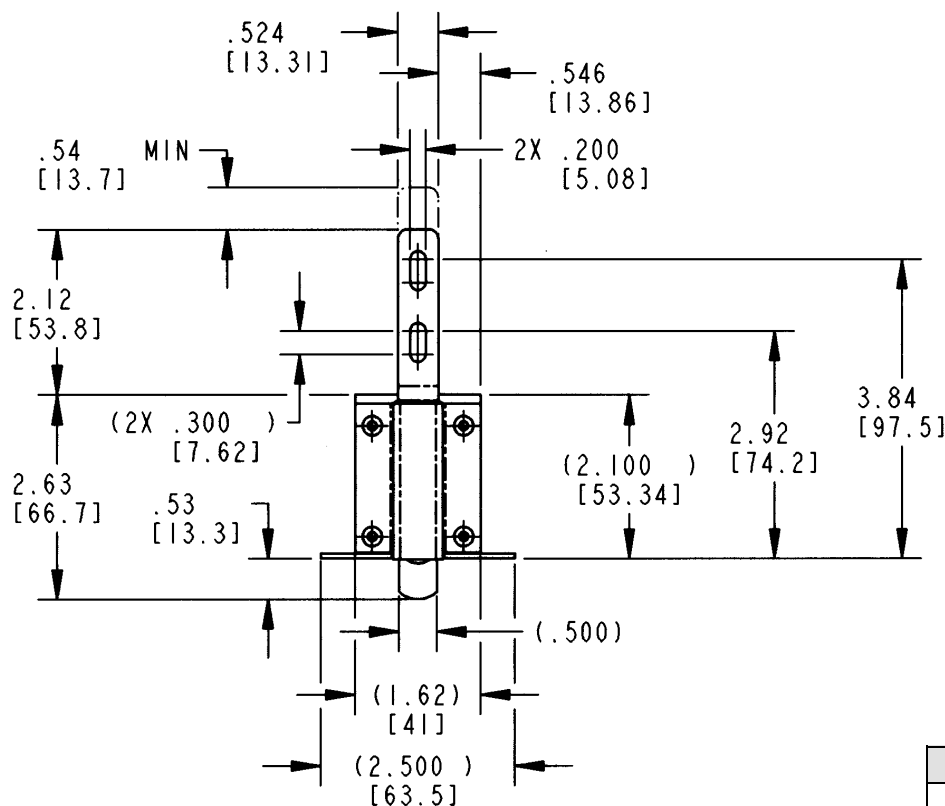
- Base, cover, slide: cold rolled steel
- Spring: stainless steel
- Plunger: nylon

AVAILABLE:

- Custom rods up to .188 diameter (4.5mm)

INSTALLATION:

- Recommended use of (2) 3/16 diameter (4.5mm) pop rivets or #12 type AB, B or BP steel thread forming screws



060-0900 Recessed Mount Plunger Bolt	
Part #	Finish
15797-01	Black Painted

060-1 300 Flush Mount Security Lock

This redesigned security lock is intended for recreational vehicle entrance doors including motor homes and travel trailers where it is advantageous to use a remote mounted security lock. It features a serviceable KeyOne™ Plus lock cylinder and provides for easier installation.

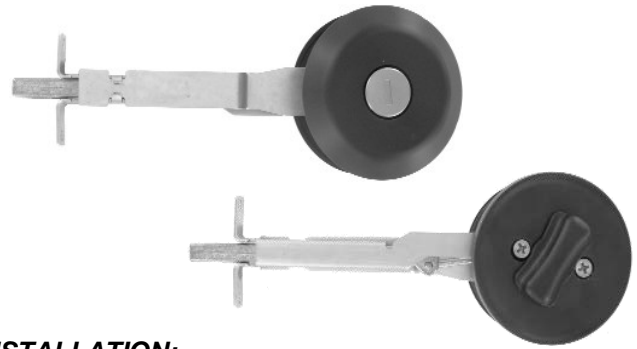
- Entrance door applications in travel trailers and motor homes with thicknesses of 1-1/2" (38.1mm) to 2-1/2" (63.5mm)

FEATURES/BENEFITS:

- Can be mounted on either hollow or solid core door on travel trailers and motor homes
- Universal round design allows for use on left or right hand doors
- Dead bolt locks into the fully extended position for true dead bolt functioning
- KeyOne™ Plus lock allows for serviceable lock cylinder

AVAILABLE:

- Keyed random with 100 key codes
- Standard 5-1/2" (139.7mm) backset
- Lock can be keyed to match other TriMark door products with KeyOne™ Plus for a single -key system, keyed alike or provided non -locking



INSTALLATION:

- Security lock sub-assemblies (3) are easy to install with supplied fasteners
- Supplied with gasket already applied under recess in housing flange for simple, clean installation

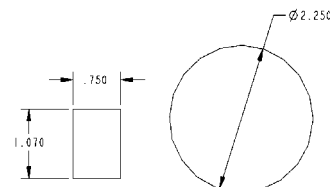
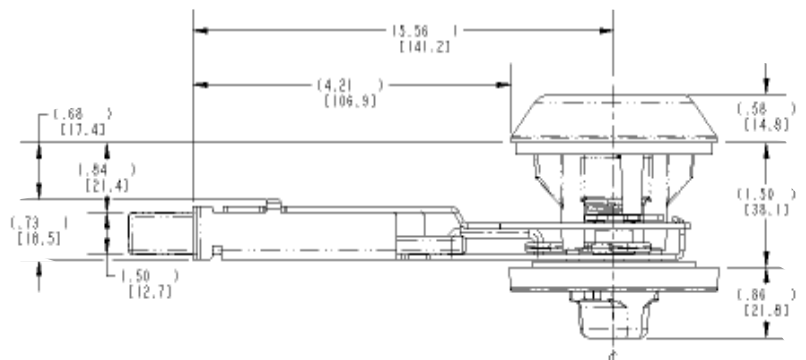
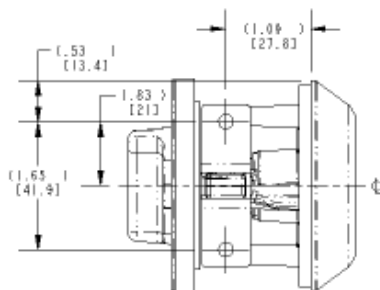
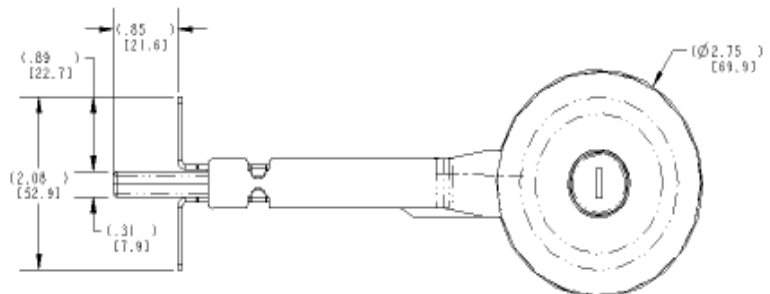
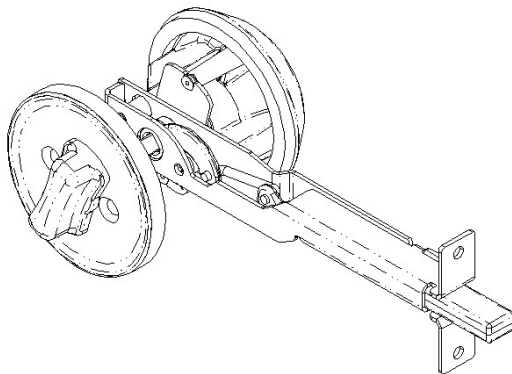
MATERIAL:

- Interior/exterior housing, lock knob and deadbolt - die cast zinc alloy
- Stamped steel deadbolt carrier

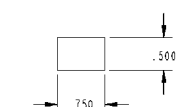
FINISH:

- Black powder coated or chrome
- Zinc plated clear chromate steel components

Patent Pending



DOOR CUTOUT



JAMB CUTOUT

070-0100 .500 (12.7mm) Diameter Striker Bolt

Designed as a companion part for use with TriMark's single rotor latches and cage nuts that requires a .500 (12.7mm) diameter striker bolt and compliance to FMVSS 206. It is available in a variety of lengths with several drive details and mounting thread choices.

INSTALLATION:

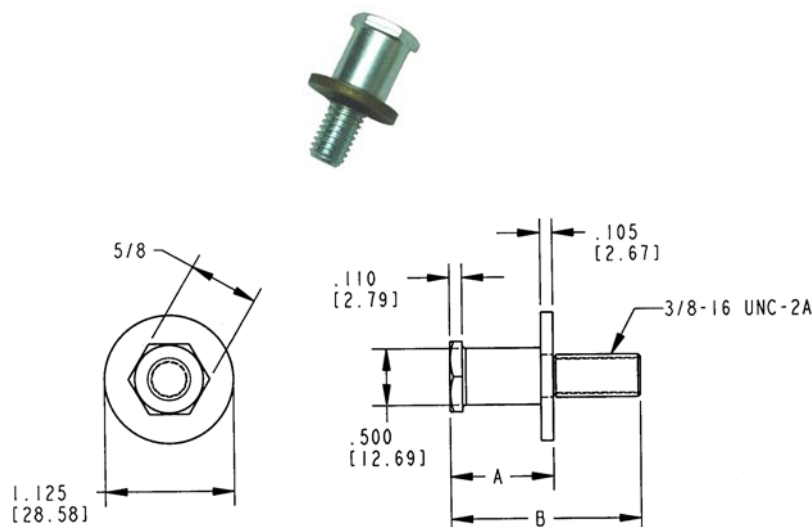
- Torque to 35 ft-lbs (46.7 N-m) minimum depending upon surface conditions

MATERIAL:

- Typical materials include AISI 4140 and AISI C10B21 steel (or equivalent), heat treated to TriMark ES-141

FINISH:

- Zinc plated with clear chromate



* WASHER DEFLECTED TO INSTALLED DIMENSION

* Dimension "A"	Dimension "B"
.905 [22.99]	1.465 [37.21]
.905 [22.99]	1.665 [42.29]
.905 [22.99]	2.630 [66.80]
1.045 [26.54]	1.805 [48.85]
1.300 [33.02]	2.060 [52.32]

TRIMARK STRIKER BOLTS ARE DESIGNED AND TESTED TO MEET OR EXCEED FMVSS 206 SAFETY REQUIREMENTS ONLY WHEN USED WITH TRIMARK'S CORRESPONDING 206 COMPLIANT LATCHES.

070-0200 .675 (17.1mm) Diameter Striker Bolt

Designed as a companion part for use with TriMark's single rotor latches and cage nuts that requires a .675 (17.1 mm) diameter striker bolt and compliance to FMVSS 206. It is available in a variety of lengths with several drive details and mounting thread choices.

MATERIAL:

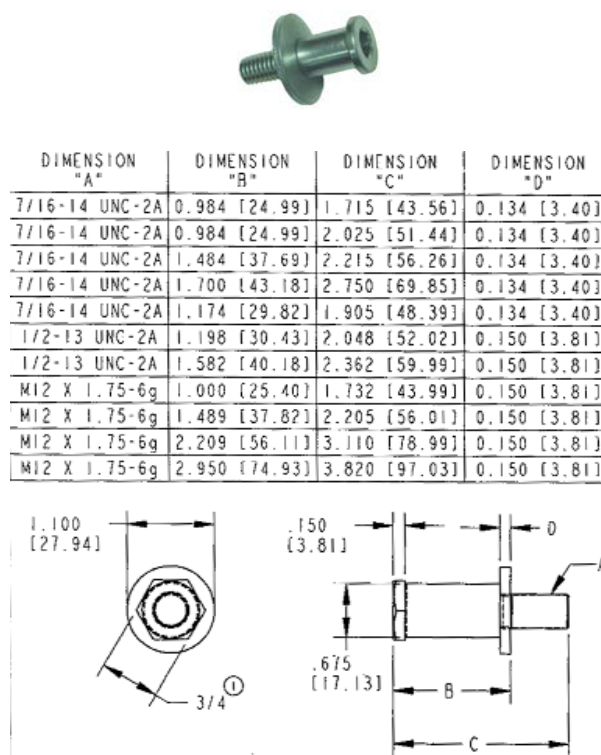
- Typical materials include AISI 4140 and AISI C10B21 steel (or equivalent), heat treated to TriMark ES-141

INSTALLATION:

- Torque 7/16-14 UNC-2A to 56 ft-lbs (74.7 N-m) minimum depending upon surface conditions
- Torque 1/2-13 UNC-2A to 85 ft-lbs (113.3 N-m) minimum depending upon surface conditions
- Torque M12 x 1.75-6g to 75 ft-lbs (100.0 N-m) minimum depending upon surface conditions

FINISH:

- Zinc plated with clear chromate



DIMENSION "A"	DIMENSION "B"	DIMENSION "C"	DIMENSION "D"
7/16-14 UNC-2A	0.984 [24.99]	1.715 [43.56]	0.134 [3.40]
7/16-14 UNC-2A	0.984 [24.99]	2.025 [51.44]	0.134 [3.40]
7/16-14 UNC-2A	1.484 [37.69]	2.215 [56.26]	0.134 [3.40]
7/16-14 UNC-2A	1.700 [43.18]	2.750 [69.85]	0.134 [3.40]
7/16-14 UNC-2A	1.174 [29.82]	1.905 [48.39]	0.134 [3.40]
1/2-13 UNC-2A	1.198 [30.43]	2.048 [52.02]	0.150 [3.81]
1/2-13 UNC-2A	1.582 [40.18]	2.362 [59.99]	0.150 [3.81]
M12 X 1.75-6g	1.000 [25.40]	1.732 [43.99]	0.150 [3.81]
M12 X 1.75-6g	1.489 [37.82]	2.205 [56.01]	0.150 [3.81]
M12 X 1.75-6g	2.209 [56.11]	3.110 [78.99]	0.150 [3.81]
M12 X 1.75-6g	2.950 [74.93]	3.820 [97.03]	0.150 [3.81]

070-0300 .375 (9.5mm) Diameter Striker Bolt

Designed as a companion part for use with TriMark's single rotor latches and cage nuts that requires a .375 (9.5mm) diameter striker bolt. It is available in a variety of lengths with several drive details and mounting thread choices.

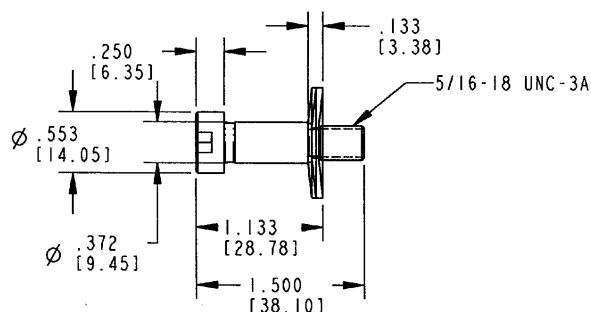
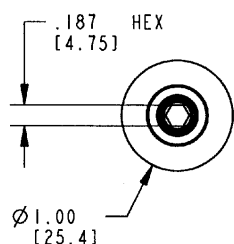
MATERIAL:

- Striker bolt: medium carbon steel, heat treated
- Washer: mild steel

FINISH:

- Striker bolt: zinc plated with clear chromate
- Washer: galvanized zinc

Note: DOES NOT COMPLY WITH FMVSS 206



TRIMARK STRIKER BOLTS ARE DESIGNED AND TESTED TO MEET OR EXCEED FMVSS 206 SAFETY REQUIREMENTS ONLY WHEN USED WITH TRIMARK CORRESPONDING 206 COMPLIANT LATCHES.

070-0400 12mm Diameter Striker Bolt

Designed as a companion part for use with TriMark's single rotor latches and cage nuts that requires a 12mm diameter striker bolt.

MATERIAL:

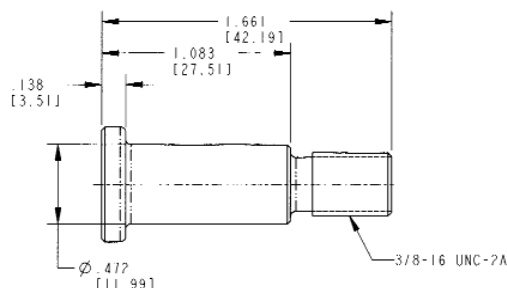
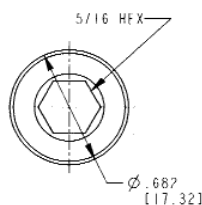
- AISI 4140 steel heat treated

INSTALLATION:

- Torque to 35 ft-lbs (46.7 N-m) minimum depending upon surface conditions

FINISH:

- Zinc plated with clear chromate



090-0100 Rod Clips

Designed to facilitate the connection between the latch and handles with rods for remote actuation and provides for easy assembly.

AVAILABLE:

- In right and left hand, or non-handed design
- In a variety of diameters, materials and configurations

INSTALLATION:

- Provides for easy assembly of hardware

MATERIAL:

- Medium carbon steel, heat treated and parkerized black for extra strength and corrosion resistance
- Color coded nylon for rattle free operation and ease of identification



100-0500 Strike Plate

Designed as a companion part for use with TriMark's sliding bolt latches. Versions are available in steel or die cast zinc.

AVAILABLE:

- In a variety of configurations

FINISH:

- Die cast zinc - no finish, black powder coated paint
- Steel - zinc plate, clear chromate

MATERIAL:

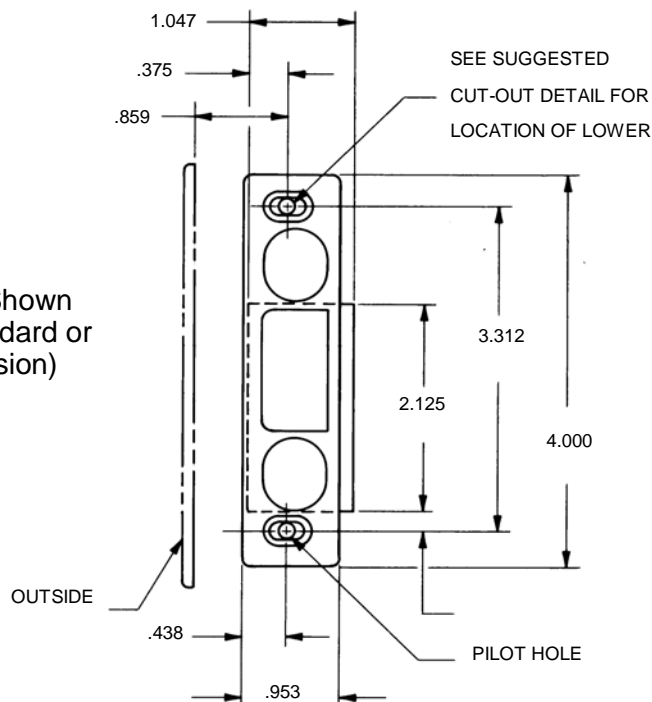
- Typical materials include die cast zinc and steel

INSTALLATION:

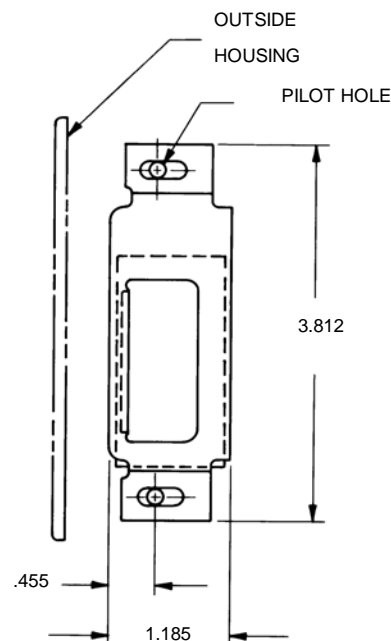
- Provides for easy adjustability of door



(Dimensions Shown for Either Standard or Dead Bolt Version)



Die Cast Strike



Stamped Steel Strike Plate

Key Blanks



Part Number	KS Number	Description	Profile
14264-07-2001	KS100 C	TM051-100, 500+, 600+, 901+	
14264-08-2001	KS110 D	TR051-TR100	
14472-05-2001	KS130 H	TM301-323	
14472-07-2001	KS150 J	TM426-448	
14472-09-2001	KS180 K	TM851-867	
14264-01-2001	KS200 F	TM001-050 & TM201-250	
14264-04-2001	KS300 E	TM101-150	
14264-06-2001	KS400 E	TM151-200	
14472-01-2001	KS600	RH001-050	
14264-03-2001	KS700	(Long, 6-wafer) TRI001-TRI098	
14472-12-2001	KS700	(Short, 5-wafer) TRI200-TRI259	
14710-30	KS720	TM700-729	
14472-04-2001	KS800	CH501-550	
14472-02-2001	KS900	CH751, PK500, LL011, PK556	
16169-10-2000	KS101	1001-1240	
16169-20-2000	KS201	2001-2240	
81205-03	KS610	80000-81000	
16169-30-2000	KS301	3001-3240	

KeyOne™ Plus

Gone are the days when convenience and security were mutually exclusive terms when describing key code requirements and single key access control. TriMark is featuring a single-key system for the operation of multiple locking products. The patented KeyOne™ Plus approach allows for a single key system that can be installed as the last step by the final stage manufacturer. With the KeyOne™ Plus system, you're getting an automotive-style lock with a larger body diameter for enhanced security, a high quality shutter system and perimeter waterproof seal - reducing the infiltration of dirt and water.

Available on TriMark entrance door handles and compartment locks, the lock cylinder, keyways and keys are available in a variety of codes allowing the customers' flexibility in keying a unit alike and keyed different from unit to unit without giving up overall security. Keys are available in reversible profiles which offers ease of operation, customer convenience and satisfaction. This system also allows for certain products or locks such as a deadbolt lock to be keyed different for an added level of security or restricted access. Master keyed versions are also available, providing dealers, fleet owners, and service technician's convenience and accessibility.



This system addresses another challenge for OEM's, the logistics and line sequencing for the keyed random key codes across their various models and options mix. KeyOne™ Plus provides the OEM the opportunity to line sequence the key code requirements without having to order key cylinders or hardware kits keyed alike in advance of build requirements.

One additional benefit is the opportunity to service the lock cylinder in the event of lost keys or lock cylinder failure.

Entrance Door Applications



030-0850



030-1400/030-1450



060-0201



030-1425



030-0900



060-1650



020-1100



060-1300

Compartment Door Applications



060-0460



060-0251



030-2000



060-1100



060-0475



040-1400

TriMark's e-ASK System (electronic Access & Security Keyless-entry)

500-1000 e-ASK System

TriMark's top level e-ASK system consists of a selection of compatible components that allow for complete keyless entry for on or off-highway vehicle applications. Incorporation into TriMark mechanical latches, handles and systems by providing keyless-entry, security, and convenience for access door systems. This system includes the ultimate in end user convenience and functionality.



500-1100 e-FOB System

The integration of mechanical handles/latches and keyless-entry electrical products is now available with TriMark's e-ASK System. This cost-effective, simple, and integrated system offers increased security, convenience and functionality with reduced system installation complexity and lower installation costs for demanding users of RVs, heavy trucks, emergency vehicles, agricultural and construction equipment.

Base system provides added convenience and security via a standard remote radio frequency (RF) transmitter providing automotive convenience to your vehicle.



500-1200 e-PAD System

The integration of mechanical handles/latches and keyless-entry electrical products is now available with TriMark's e-ASK System. This integrated system offers increased security, convenience and functionality with reduced system installation complexity and lower installation costs for demanding users of RVs, heavy trucks, emergency vehicles, agricultural and construction equipment.

User-friendly keypad system provides visual, audible and touch feedback. Keypad can be mounted horizontally, vertically, and with means to protect against vandalism and other tampering. This system includes both a touch pad and an I/O module for the ultimate in keyless functionality.



TriMark Acquires West Alloy

We are pleased to announce that on September 20, 2007 TriMark Europe Ltd, a subsidiary of TriMark Corporation, have acquired West Alloy Ltd. Located in the UK. West Alloy is a market leader in the design and manufacture of locks, hinges, window stays and associated fittings for the world's best-known industrial and leisure vehicles.

West Alloy has built a sound reputation for on-time delivery of quality products including the Caraloc line of products which includes exterior handles and interior latch assemblies designed for the European Caravan industry. Also available are baggage door locks, grab handles, folding table legs and cam locks.

West Alloy



Caraloc Assembly (2000)



Camloc Assembly (730)



Baggage Door Lock (5280) With Various Cams



Single Table Leg (3030)

Strength Guidelines

The following table represents strength guidelines for the application of products for their respective duty ratings:

	<u>Light Duty</u>	<u>Medium Duty</u>	<u>Heavy Duty</u>
Door Weights	< 50 lbs. (<23 kg)	50 to 100 lbs. (23-46 kg)	100 to 200 lbs. (46-91 kg)
Striker Bolt Loads	0 to 15 lbs. (0-7 kg)	15 to 25 lbs. (7-11 kg)	25 to 75 lbs. (11-34 kg)

Please consult a TriMark technical representative for applications exceeding the guidelines listed above. In addition, you can also consult with a TriMark technical representative if you're not sure about the correct product selection for your application.

Guidelines for Mounting Torque

Please note: The following are guidelines only. Installer should follow the fastener manufacturers' recommended torque values and consider the fastener grade/class, materials and surface condition of the threads.

<u>Description</u>	<u>Use</u>	<u>Mounting Torque</u>
M6mm brass inserts	Push button handles	50 to 59 in. lbs. or 5.6 to 6.7 N-m
M8mm brass inserts	Push button handles	59 to 70 in. lbs. or 6.7 to 7.9 N-m
1/4-20 UNC grade 5	Latches	96 to 120 in. lbs. or 10.7 to 13.3 N-m
M6x1 Class 8.8	Latches	96 to 120 in. lbs. or 10.7 to 13.3 N-m
M8x1.25 Class 8.8	Latches	200 in. lbs. or 22.2 N-m
3/8-16 UNC grade 8	Striker bolts	35 ft. lbs or 46.7 N-m
7/16-14 UNC grade 8	Striker bolts	56 ft. lbs. or 74.7 N-m
1/2-13 UNC grade 8	Striker bolts	85 ft. lbs. or 113.3 N-m
M12x1.75 grade 9.8	Striker bolts	85 ft. lbs. or 113.3 N-m
#8-32 thread forming screws	Die cast paddles	40 to 50 in. lbs. or 4.4 to 5.6 N-m
#10-24 thread forming screws	Die cast paddles	40 to 50 in. lbs. or 4.4 to 5.6 N-m

Latch and Striker Installation

The following are instructions for proper striker installation:

1. Install striker bolt in door frame.
2. Close door carefully and check for interference between head of striker bolt and latch components.
3. Add or remove shims under striker bolt washer as required (outside diameter of shim should be larger than outside diameter of striker bolt washer).
4. Adjust striker bolt vertically so door is not guided upward or downward while being closed.
5. CHECK TO DETERMINE THAT BOTH SECONDARY AND PRIMARY LATCH POSITIONS ARE USABLE.
6. Door should be latched but not "closed" in secondary position and latched to anticipated "closed" position with respect to adjacent surfaces in primary position.
7. If both primary and secondary positions are not evident, re-adjust striker bolt.

Materials Reference

Zinc — TriMark primarily die casts zinc alloy No. 3. this material has high ductility and excellent impact strength makes this material suitable for a wide range of uses. Parts can be cast with thin walls and the excellent surface finish allows for the application of a wide variety of finishes like painting and plating.

High Strength Low Alloy Steel (HSLA) — High strength low alloy steel provides outstanding strength, toughness, and ease of fabrication. It is used where high tensile strength is a requirement and provides a high strength-to-weight ratio.

Stainless Steel (SST or SS) — Stainless steel materials provide excellent corrosion resistance in high moisture environments. Stamped products allow for buffing and polishing which provides a bright and attractive appearance that is easily maintained. It's used in the manufacture of springs to provide corrosion resistance and long life.

Powder Metals (P/M) — Powdered metallurgy or P/M is a method of producing ferrous parts by mixing metal powder, compacting in a die and sintering to bond the particles metallurgically. The P/M process is cost effective in producing metal components to production quality tolerances without machining or scrap and can also provide self-lubricating properties.

Plastic Materials — TriMark specifies engineered thermoplastics for situations where non-corrosive, lightweight, and low cost materials are required. The plastic materials used have been carefully selected to meet the functional and aesthetic requirements for each component and/or product.

Lubrication

Products manufactured by TriMark are lubricated and shipped with a minimum amount of lubrication to function correctly when they leave the factory. Many products have a dry-type solid film lubricant applied that will give years of trouble free performance however; mechanical products do require maintenance and periodic lubrication. The application of a quality lubricant such as Alpha 2000 or its equivalent, will maintain the quality and performance of the TriMark products.

Alpha 2000 is high performance premium grease. It demonstrates excellent mechanical stability with no breakdown after 100,000 cycles. In addition, it has excellent thermal stability and performs well over a wide temperature range. It is also resistant to water and provides corrosion resistance. This product is available in 14 oz. Cartridges through TriMark Service & Replacement Parts.

Finishes Reference

Zinc Plating — This is TriMark's standard finish for steel components. It is a sacrificial finish, which provides good corrosion protection and is an attractive, bright, metallic finish. Available in clear chromate, they will provide 12 hours of salt spray protection without evidence of red rust per ASTM B-117.

Copper Nickel-Chrome Plating (CNC or CNNC) — Commonly referred to as chrome plating, it is an electroplating process, which applies three or four layers of copper, nickel and chromium to a zinc substrate. This plating can be applied over a polished surface to give the part a high luster, mirror-like finish. TriMark can provide a range of service categories (SC) ranging from a decorative finish SC1 all the way up to a SC4, which can survive harsh exterior environments with severe abrasive conditions.

Service Categories

SC1	Mild service-indoor usage in dry, warm atmosphere
SC2	Moderate service - indoor usage subject to condensation
SC3	Severe service - exterior usage or interior usage on parts exposed to strong cleaners and saline solutions
SC4	Very severe service - exterior usage subject to severe abrasive condition

Performance Requirements

Service Categories	CorrodKote Test ASTM B380	Cass Test ASTM B368
SC1	N/A	N/A
SC2	One cycle with 4 hours exposure	4 house exposure
SC3	One cycle with 16 hours exposure	16 hours exposure
SC4	Two cycles with 16 house exposure	22 hours minimum exposure

Note: All cycles are without any evidence of corrosion

Powder Coating — Powder coating is an electrostatic painting process that utilizes a thermal curing of the finish that results in an excellent topcoat that is attractive, durable, corrosion resistant, and UV stable. Available in a variety of colors and glosses this finish is ideally suited for exterior applications and will withstand approximately 750 hours of salt spray resistance per ASTM B-117 and 1000 hours of exposure per ASTM G53 QUV Weatherometer testing.

Solid Film Lubricant — TriMark utilizes a permanent, baked-on solid film lubricant on many of the rotary latch components. This finish provides a low coefficient of friction and approximately 200 hours of salt spray resistance per ASTM B-117.

E-Coat — TriMark utilizes an acrylic E-coat as a primer for customer applied paint for enhanced adhesion and corrosion protection. Available in a medium gloss black color it has excellent adhesion, corrosion protection, and UV resistance.

Pre-Galvanized Music Wire — This is a zinc plated music spring wire finish that is applied to the wire prior to the final drawing operation. It has a uniform coating and hardness suitable for automatic spring coiling and mechanical forming operations. Corrosion resistance is 32 hours for wire 0.040 in diameter and above and 28 hours for wire 0.023 to 0.039 in diameter.

Fit for Use

All TriMark products are subject to changes at any time in design, dimensional, specification, material and/or finish.

All TriMark products should be used in accordance with applicable local, state, federal and industrial or commercial regulations. Suitability for applications is the responsibility of the purchaser.

Warning: The modification and/or alteration of any components or assembly will void warranty and may cause serious injury or death.

Loads on Rotary Door Latching Hardware

Loads applied to the striker bolt by door seals/gaskets are a significant factor in affecting operational efforts. This load has been referred to as 'door seal load' in the past, but this term has some ambiguity. A distinction needs to be made between the difference of 'door closing force' and 'striker bolt load'. The following are definitions of these terms:

Door Closing Force (DCF)

The force required to shut a door completely. When using rotary latch hardware in a door, this would be the point at which the striker engages into the primary position of the latch. This load would be measured in pounds or kilograms of force.

Striker Bolt Load (SBL)

The load is exerted between the latch and striker bolt when the door is fully closed. The main factor that would cause this load would be the door seal or gasket. This load is measured in pounds or kilograms of force. TriMark has developed procedures for measuring 'door closing force' and 'striker bolt loads' please call a TriMark representative.

TriMark Test Engineering has measured some door closing forces and striker bolt loads as a comparison. In most cases, the door closing forces have been more than the striker bolt load. This is apparent, due to the fact that when closing a door fully, the striker bolt is required to travel beyond the primary position of a latch in order for the catch to engage into the rotor, resulting in a higher load.

TriMark has studied this issue in detail in order to provide superior door hardware and applications assistance to meet customer requirements and expectations.

FMVSS and EEC INTEREUROPE Standards:

Federal Motor Vehicle Safety Standard No. 206 - National Highway Traffic Safety Administration
FMVSS 206 - Door locks and door retention components - Passenger Cars, Multipurpose Passenger Vehicles, and Trucks.

Requires locking systems and specifies load requirements for door latches and door hinge systems to minimize the probability of occupants being thrown from the vehicle as a result of forces encountered in vehicle impact. The design and testing requirements of the • FMVSS 206 safety standard require a primary and secondary latching position and must withstand transverse and longitudinal load forces and inertial forces without opening.

Certain TriMark products comply with FMVSS 206 and are identified in TriMark's catalog and technical publications. These products have been thoroughly tested in accordance with SAE J839 for the load requirements. In addition, a complete door system analysis of ALL components of the door locks and door retention components for inertia and inside locking requirements must be performed by TriMark or the vehicle manufacturer.

Federal Motor Vehicle Safety Standard No. 302 - National Highway Traffic Safety Administration
FMVSS 302 - Flammability of Interior Materials - Passenger Cars, Multipurpose Passenger Vehicles, Trucks and Buses.

This standard specifies burn resistance requirements for materials used in the occupant compartment of motor vehicles in order to reduce deaths and injuries caused by vehicle fires.

Certain TriMark products comply with FMVSS 302 and are identified in TriMark's catalog and technical publications. These products have been either tested or certified as complying with the standard.